

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032223\
 Data File : VU053358.D
 Acq On : 22 Mar 2023 17:34
 Operator : JC/MD
 Sample : 01961-17MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EYFE0MSD

Quant Time: Mar 23 02:46:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 23 02:41:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	105176	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	100277	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	51453	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	37667	38.820	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.640%
7) Chloroethane-d5	1.912	69	36961	47.092	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.180%
11) 1,1-Dichloroethene-d2	2.568	63	67393	40.094	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.180%
21) 2-Butanone-d5	4.620	46	49353	109.665	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.670%
24) Chloroform-d	5.057	84	71347	44.643	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.280%
26) 1,2-Dichloroethane-d4	5.697	65	47644	48.003	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.000%
32) Benzene-d6	5.723	84	139543	42.903	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.800%
36) 1,2-Dichloropropane-d6	6.684	67	47486	45.236	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.480%
41) Toluene-d8	7.893	98	129618	42.804	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.600%
43) trans-1,3-Dichloroprop...	8.173	79	23320	45.026	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.060%
47) 2-Hexanone-d5	8.626	63	34779	105.973	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.970%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	70449	51.806	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.620%
66) 1,2-Dichlorobenzene-d4	12.189	152	46103	46.275	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	43158	39.312	ug/L	100
3) Chloromethane	1.520	50	45070	44.553	ug/L	98
5) Vinyl chloride	1.604	62	54877	49.591	ug/L	99
6) Bromomethane	1.855	94	34263	51.509	ug/L	93
8) Chloroethane	1.932	64	31893	48.792	ug/L	99
9) Trichlorofluoromethane	2.138	101	60945	44.141	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	35201	42.146	ug/L	97
12) 1,1-Dichloroethene	2.578	96	31749	41.104	ug/L	95
13) Acetone	2.629	43	34203	66.731	ug/L	93
14) Carbon disulfide	2.790	76	90385	38.635	ug/L	99
15) Methyl Acetate	2.945	43	36202	51.530	ug/L	97
16) Methylene chloride	3.044	84	37782	40.320	ug/L	96
17) trans-1,2-Dichloroethene	3.350	96	32716	41.745	ug/L	93
18) Methyl tert-butyl Ether	3.356	73	118243	44.869	ug/L	98
19) 1,1-Dichloroethane	3.864	63	71091	44.438	ug/L	100
20) cis-1,2-Dichloroethene	4.662	96	41884	45.501	ug/L	99
22) 2-Butanone	4.697	43	57054	97.706	ug/L	95
23) Bromochloromethane	4.970	128	19329	44.039	ug/L	93
25) Chloroform	5.083	83	72617	45.361	ug/L	99

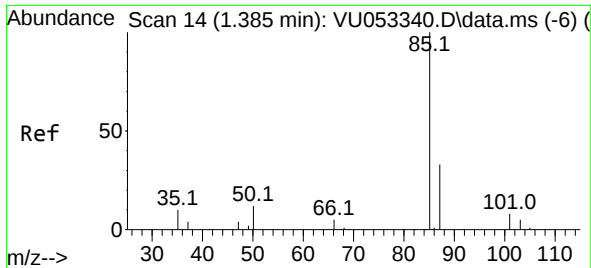
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 QLast Update : Thu Mar 23 02:41:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	63047	49.890	ug/L	96
29) Cyclohexane	5.382	56	63334	42.387	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	60641	44.366	ug/L	97
31) Carbon tetrachloride	5.520	117	48934	43.699	ug/L	100
33) Benzene	5.768	78	158518	45.597	ug/L	100
34) Trichloroethene	6.539	95	40634	44.826	ug/L	98
35) Methylcyclohexane	6.758	83	65779	41.398	ug/L	97
37) 1,2-Dichloropropane	6.784	63	46681	48.128	ug/L	99
38) Bromodichloromethane	7.102	83	55454	45.941	ug/L	95
39) cis-1,3-Dichloropropene	7.604	75	72504	45.499	ug/L	99
40) 4-Methyl-2-pentanone	7.784	43	115244	115.597	ug/L	96
42) Toluene	7.964	91	171594	45.911	ug/L	96
44) trans-1,3-Dichloropropene	8.205	75	70409	48.336	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	42939	48.618	ug/L	100
46) Tetrachloroethene	8.549	164	25978	44.049	ug/L	97
48) 2-Hexanone	8.677	43	89583	107.307	ug/L	97
49) Dibromochloromethane	8.806	129	38098	42.170	ug/L	99
50) 1,2-Dibromoethane	8.919	107	43399	46.117	ug/L	98
51) Chlorobenzene	9.443	112	106757	45.830	ug/L	98
52) Ethylbenzene	9.565	91	195690	46.170	ug/L	98
53) m,p-Xylene	9.690	106	73344	46.363	ug/L	96
54) o-Xylene	10.095	106	73033	46.678	ug/L	95
55) Styrene	10.108	104	121496	46.592	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	75980	52.472	ug/L	97
59) Bromoform	10.285	173	25310	43.225	ug/L	98
60) 1,2,3-Trichloropropane	10.816	75	58370	57.090	ug/L	96
61) Isopropylbenzene	10.478	105	191044	46.993	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	152091	45.196	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	150148	45.775	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	79985	46.913	ug/L	100
65) 1,4-Dichlorobenzene	11.832	146	81559	47.650	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	79679	46.757	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.989	75	15905	56.256	ug/L	89
69) 1,3,5-Trichlorobenzene	13.214	180	49419	45.717	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	45876	47.232	ug/L	98
71) Naphthalene	14.079	128	174975	53.448	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	45334	49.218	ug/L	98

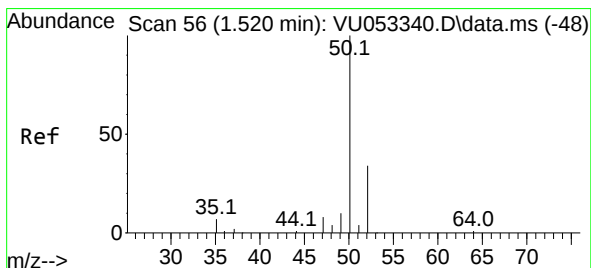
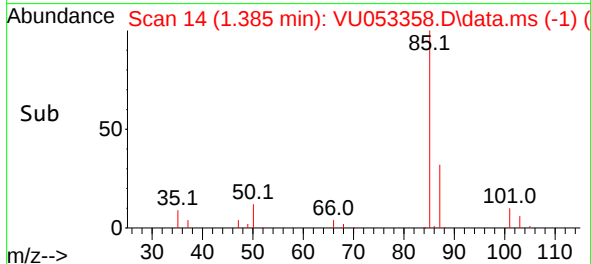
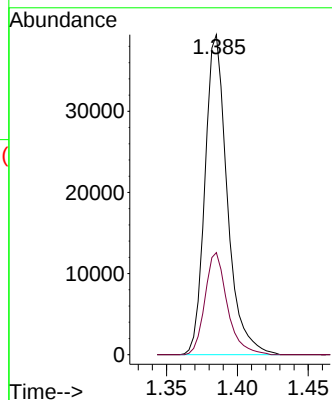
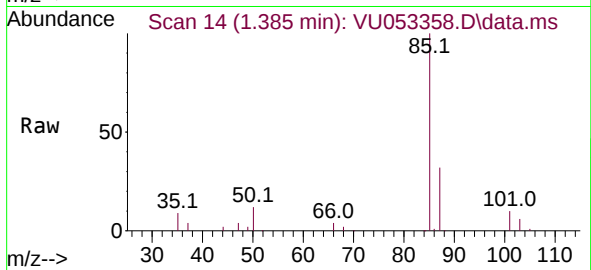
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 39.312 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VU053358.D
 Acq: 22 Mar 2023 17:34

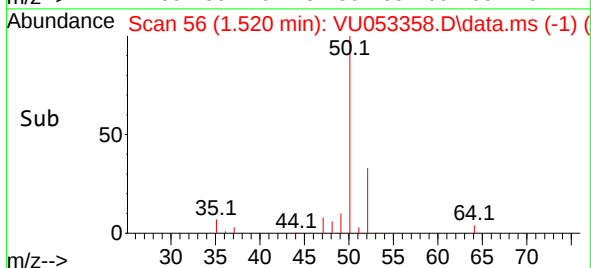
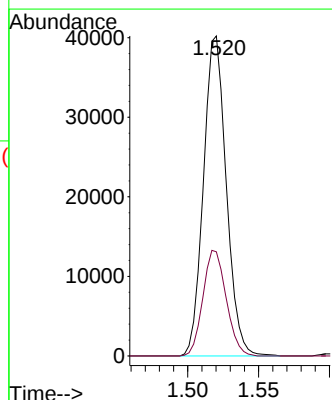
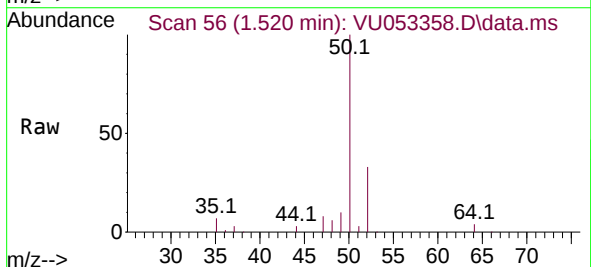
Instrument :
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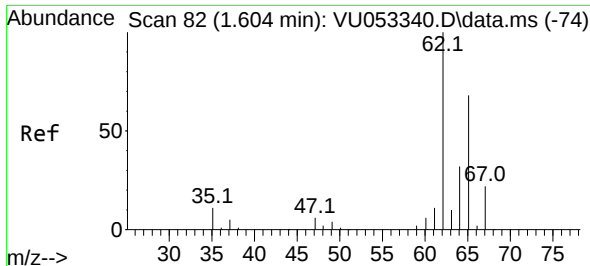
Tgt Ion: 85 Resp: 43158
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.8 38.8



#3
 Chloromethane
 Concen: 44.553 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. -0.000 min
 Lab File: VU053358.D
 Acq: 22 Mar 2023 17:34

Tgt Ion: 50 Resp: 45070
 Ion Ratio Lower Upper
 50 100
 52 32.5 23.4 43.4

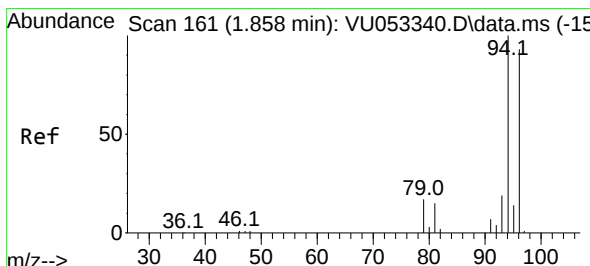
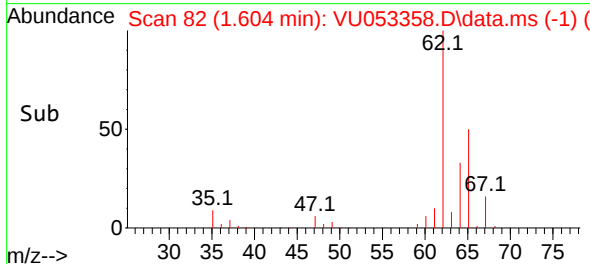
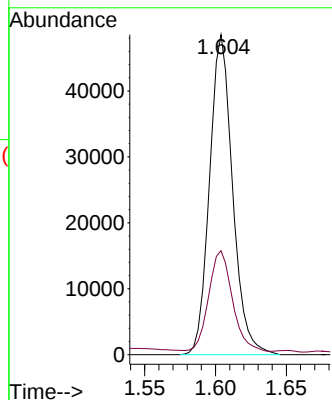
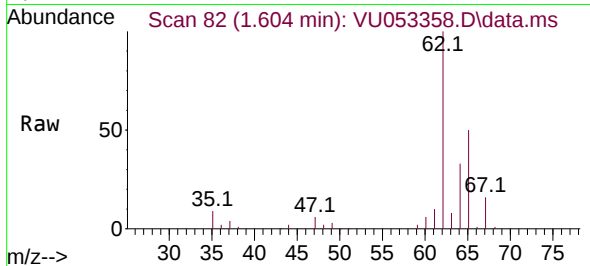




#5
 Vinyl chloride
 Concen: 49.591 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU053358.D
 Acq: 22 Mar 2023 17:34

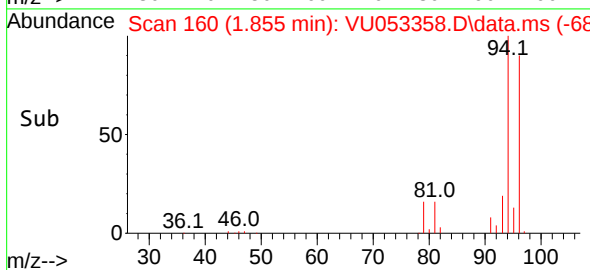
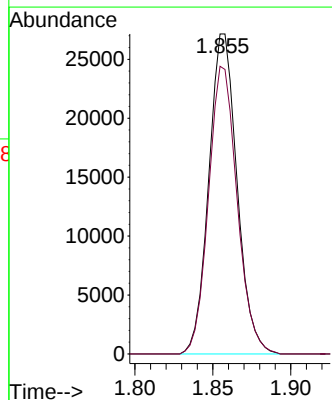
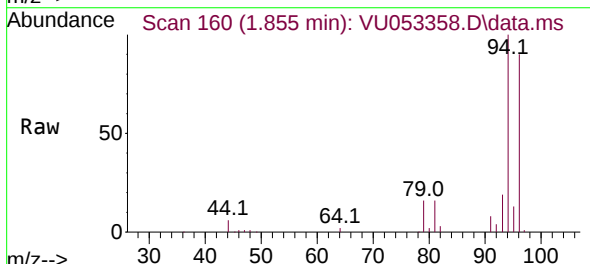
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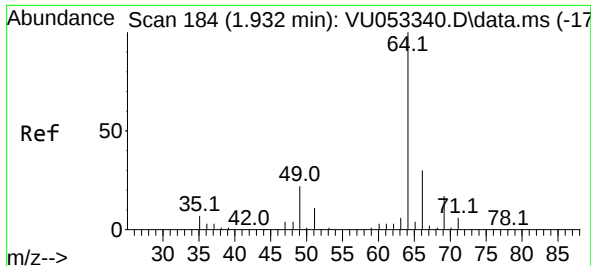
Tgt Ion: 62 Resp: 54877
 Ion Ratio Lower Upper
 62 100
 64 32.5 23.2 43.0



#6
 Bromomethane
 Concen: 51.509 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. -0.003 min
 Lab File: VU053358.D
 Acq: 22 Mar 2023 17:34

Tgt Ion: 94 Resp: 34263
 Ion Ratio Lower Upper
 94 100
 96 89.9 67.5 125.3

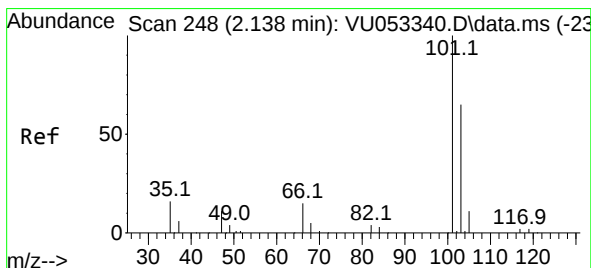
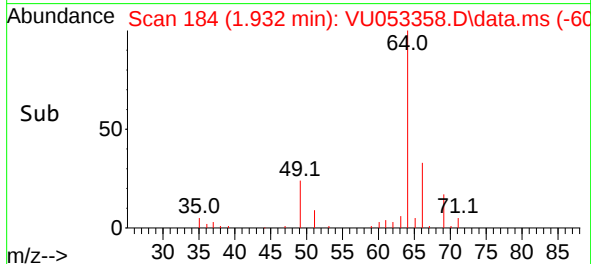
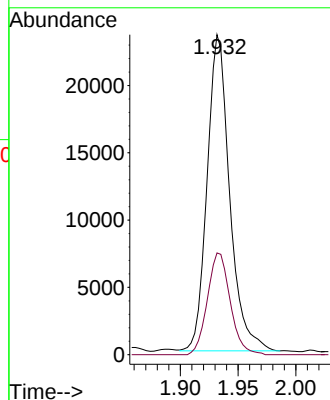
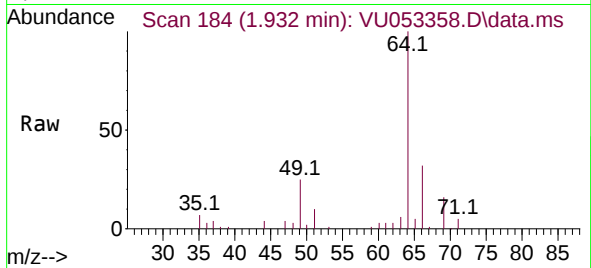




#8
Chloroethane
Concen: 48.792 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

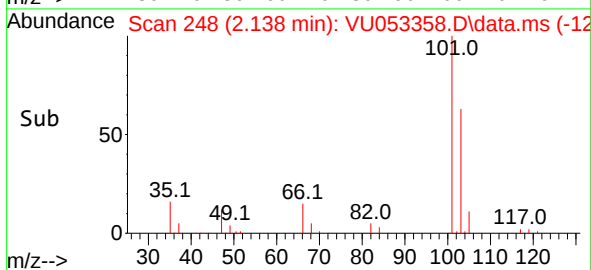
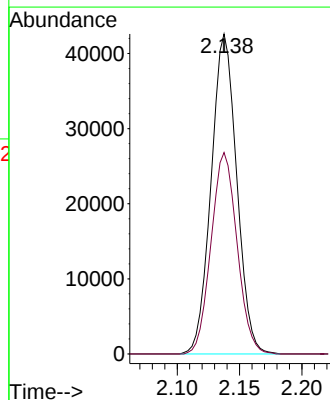
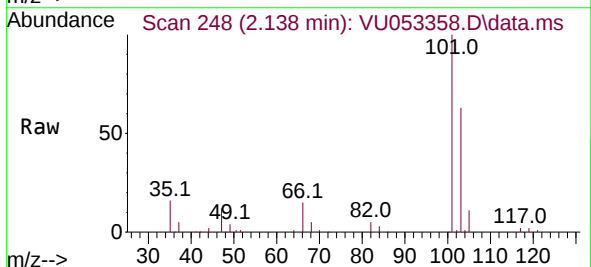
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ClientSampleId :
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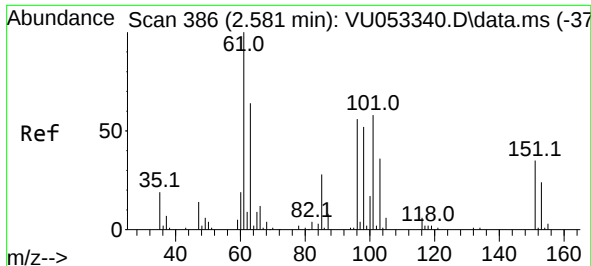
Tgt Ion: 64 Resp: 31893
Ion Ratio Lower Upper
64 100
66 31.8 22.6 42.0



#9
Trichlorofluoromethane
Concen: 44.141 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

Tgt Ion:101 Resp: 60945
Ion Ratio Lower Upper
101 100
103 63.9 52.0 78.0

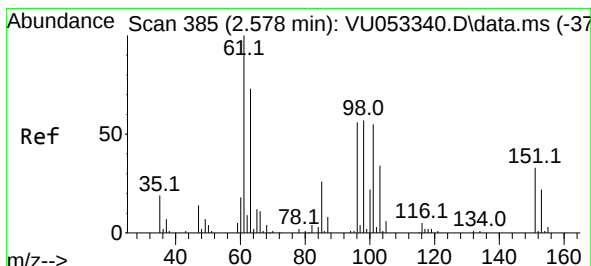
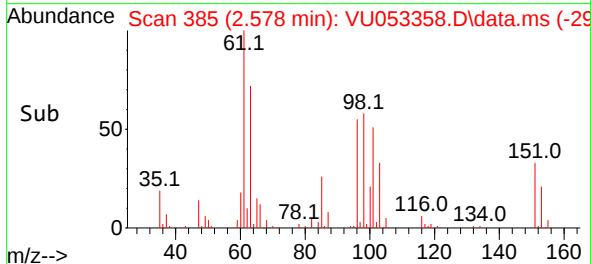
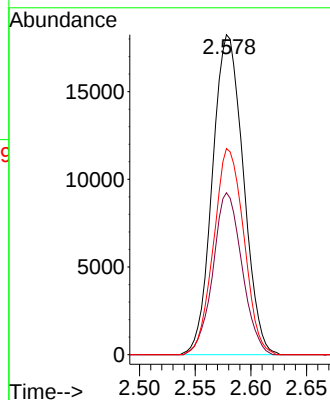
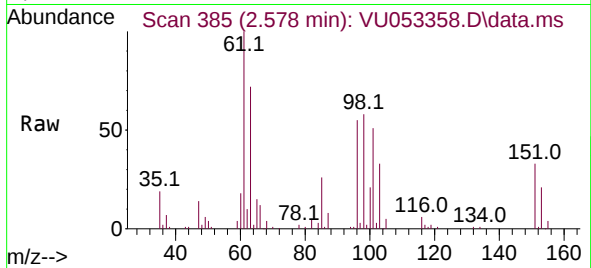




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 42.146 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.003 min
 Lab File: VU053358.D
 Acq: 22 Mar 2023 17:34

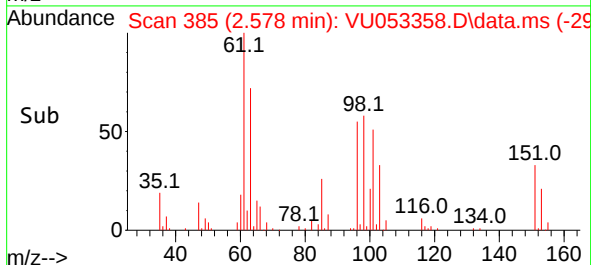
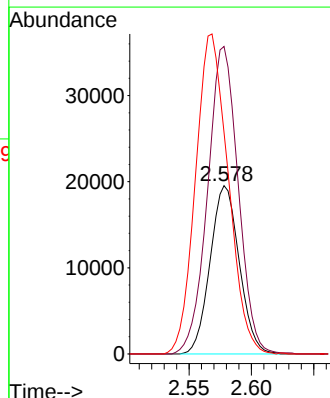
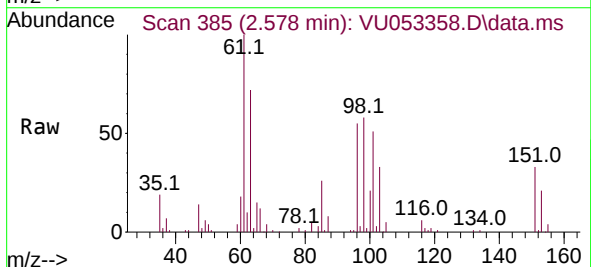
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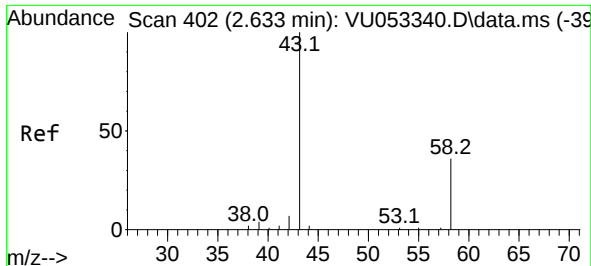
Tgt Ion:101 Resp: 35201
 Ion Ratio Lower Upper
 101 100
 85 47.6 37.0 55.6
 151 63.1 52.9 79.3



#12
 1,1-Dichloroethene
 Concen: 41.104 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU053358.D
 Acq: 22 Mar 2023 17:34

Tgt Ion: 96 Resp: 31749
 Ion Ratio Lower Upper
 96 100
 61 182.8 122.2 226.9
 63 131.6 89.9 166.9





#13

Acetone

Concen: 66.731 ug/L

RT: 2.629 min Scan# 401

Delta R.T. -0.003 min

Lab File: VU053358.D

Acq: 22 Mar 2023 17:34

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MSVOA_U

ClientSampleId :

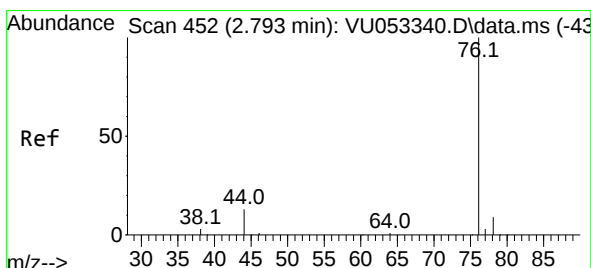
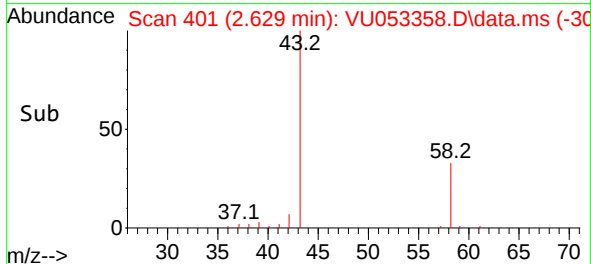
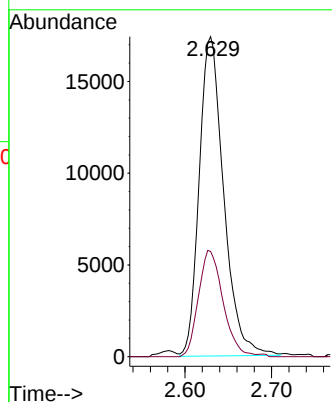
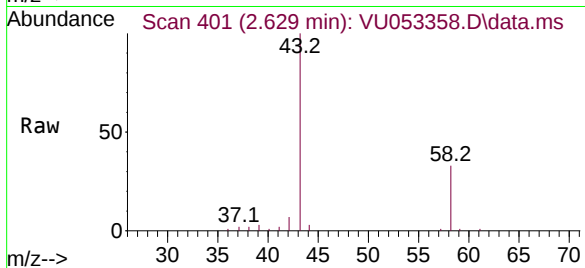
EYFE0MSD

Tgt Ion: 43 Resp: 34203

Ion Ratio Lower Upper

43 100

58 33.3 0.0 75.0



#14

Carbon disulfide

Concen: 38.635 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU053358.D

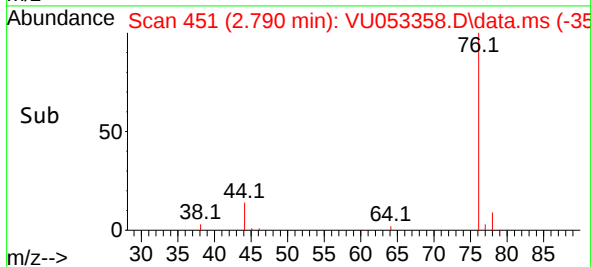
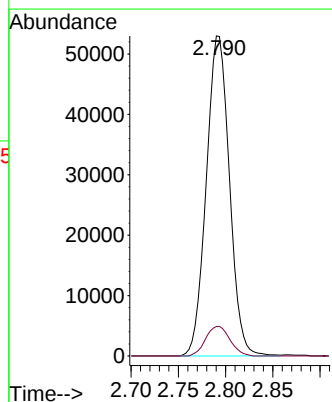
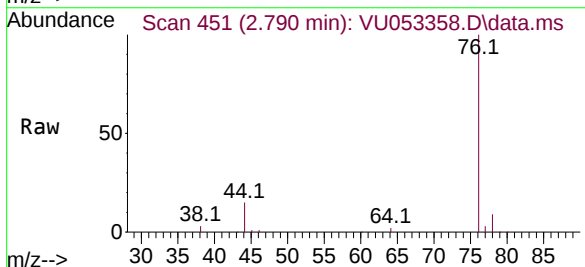
Acq: 22 Mar 2023 17:34

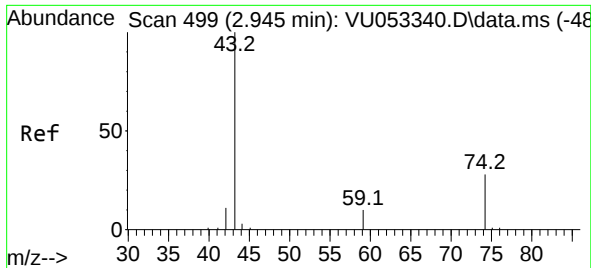
Tgt Ion: 76 Resp: 90385

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6

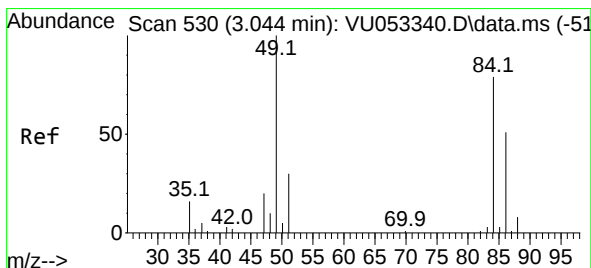
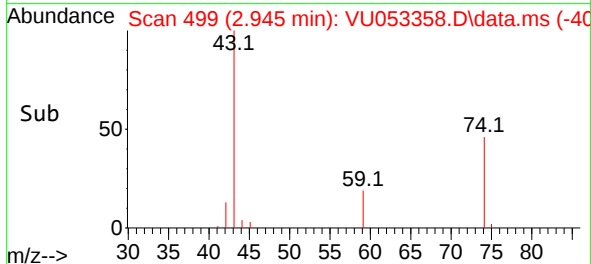
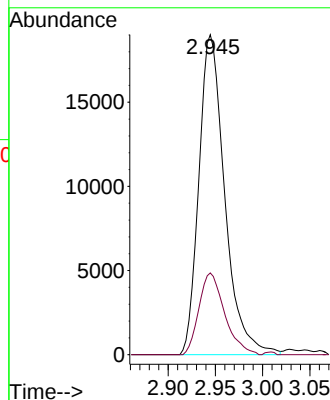
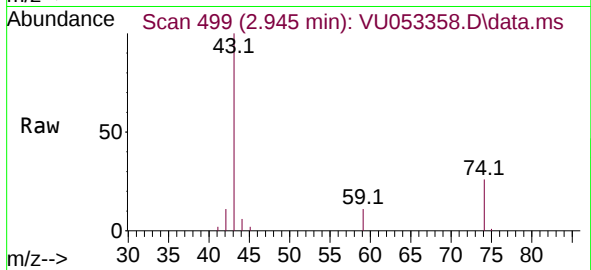




#15
Methyl Acetate
Concen: 51.530 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.000 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

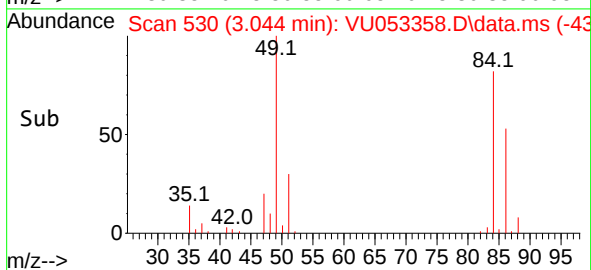
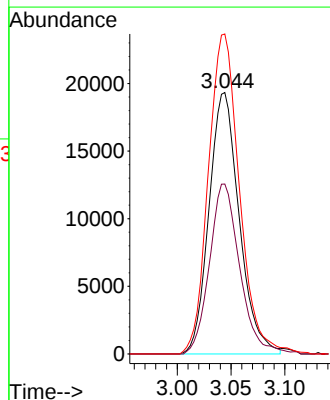
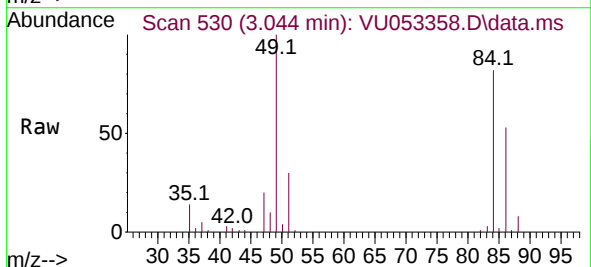
Instrument :
MSVOA_U
ClientSampleId :
EYFE0MSD

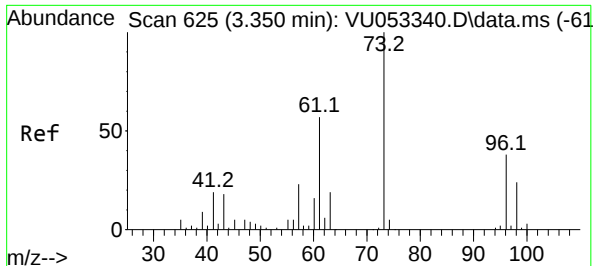
Tgt Ion: 43 Resp: 36202
Ion Ratio Lower Upper
43 100
74 25.3 21.4 32.0



#16
Methylene chloride
Concen: 40.320 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

Tgt Ion: 84 Resp: 37782
Ion Ratio Lower Upper
84 100
86 65.0 44.4 82.4
49 122.4 81.6 151.6

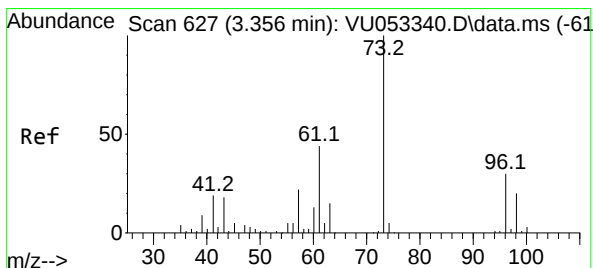
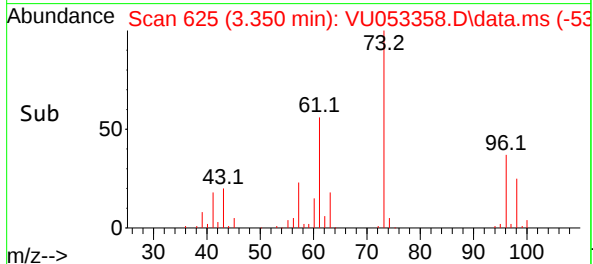
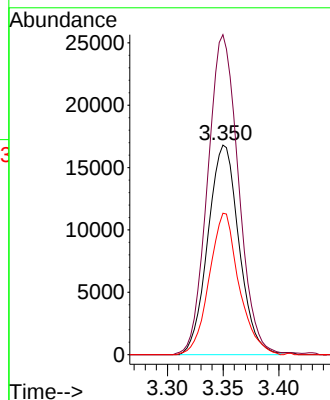
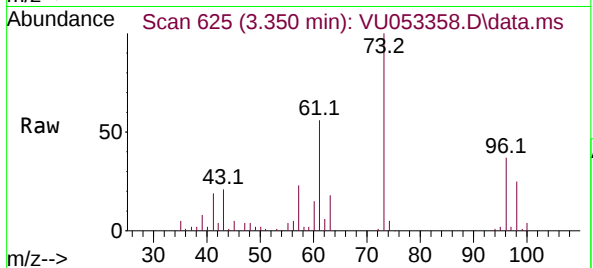




#17
trans-1,2-Dichloroethene
Concen: 41.745 ug/L
RT: 3.350 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

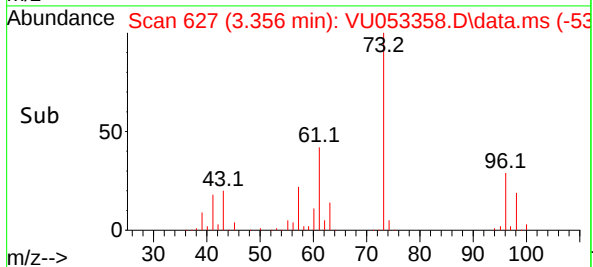
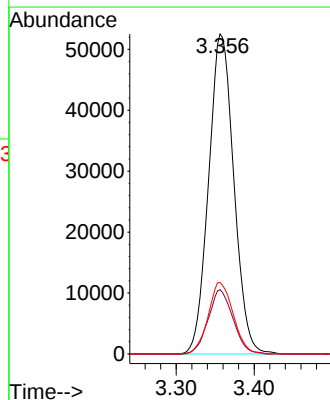
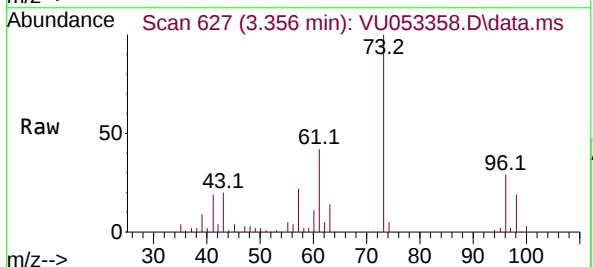
Instrument :
MSVOA_U
ClientSampleId :
EYFE0MSD

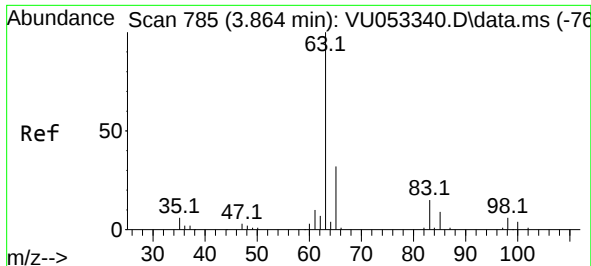
Tgt Ion: 96 Resp: 32716
Ion Ratio Lower Upper
96 100
61 152.7 99.6 185.0
98 67.5 45.5 84.5



#18
Methyl tert-butyl Ether
Concen: 44.869 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.000 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

Tgt Ion: 73 Resp: 118243
Ion Ratio Lower Upper
73 100
43 19.8 14.2 21.2
57 22.2 18.0 27.0

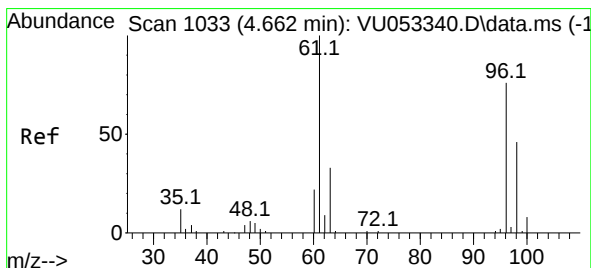
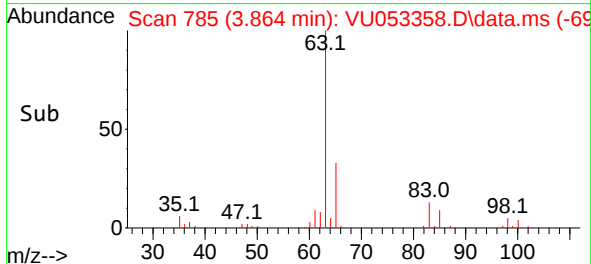
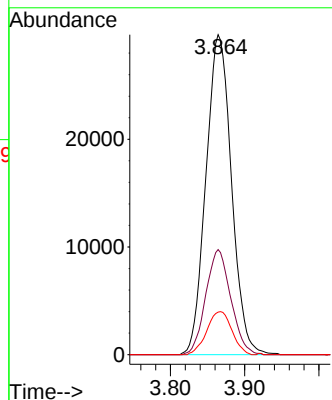
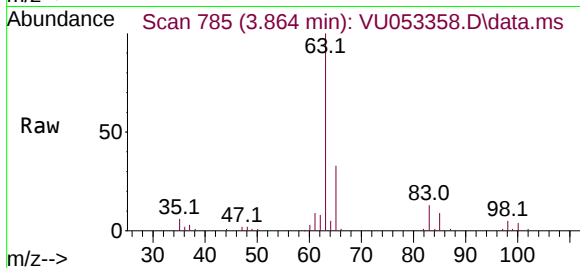




#19
1,1-Dichloroethane
Concen: 44.438 ug/L
RT: 3.864 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

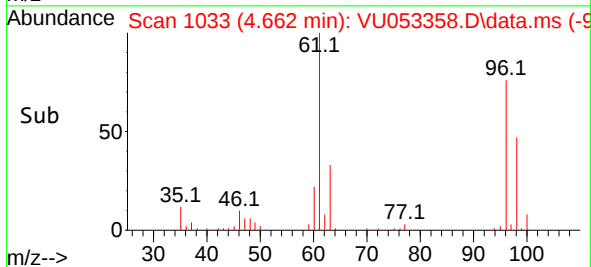
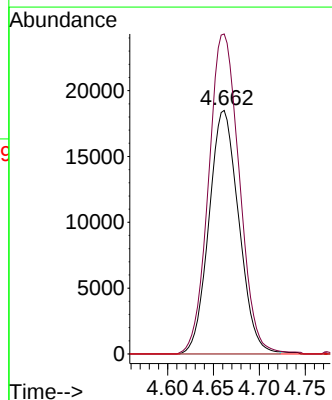
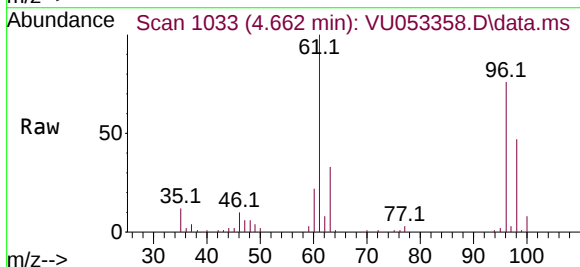
Instrument :
MSVOA_U
ClientSampleId :
EYFE0MSD

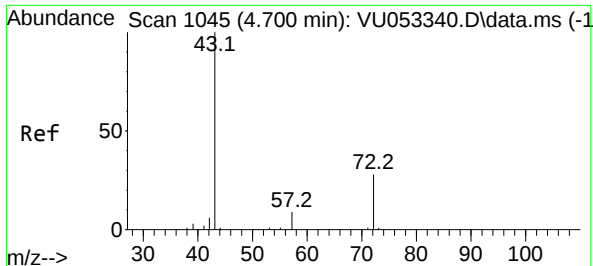
Tgt Ion: 63	Resp: 71091
Ion Ratio	Lower Upper
63 100	
65 32.9	22.8 42.4
83 13.3	9.4 17.6



#20
cis-1,2-Dichloroethene
Concen: 45.501 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

Tgt Ion: 96	Resp: 41884
Ion Ratio	Lower Upper
96 100	
61 131.4	92.5 171.7
68 0.0	0.0 0.0





#22

2-Butanone

Concen: 97.706 ug/L

RT: 4.697 min Scan# 1044

Delta R.T. -0.003 min

Lab File: VU053358.D

Acq: 22 Mar 2023 17:34

Instrument :

MSVOA_U

ClientSampleId :

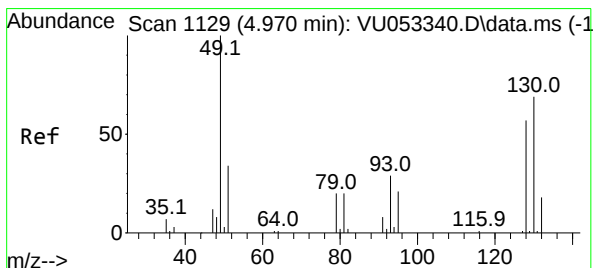
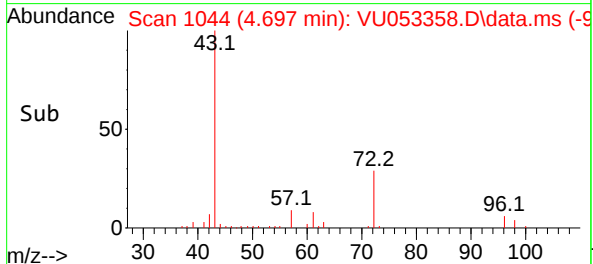
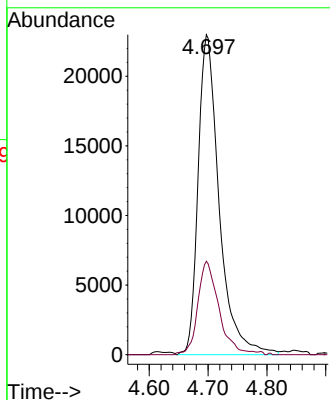
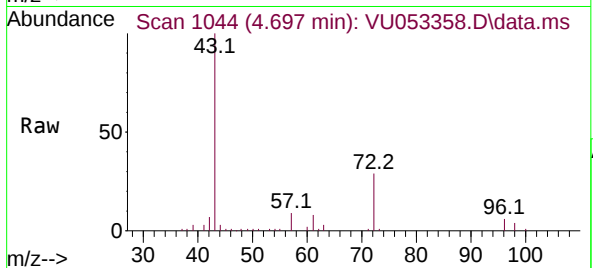
EYFE0MSD

Tgt Ion: 43 Resp: 57054

Ion Ratio Lower Upper

43 100

72 29.1 16.0 47.9



#23

Bromochloromethane

Concen: 44.039 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VU053358.D

Acq: 22 Mar 2023 17:34

Tgt Ion:128 Resp: 19329

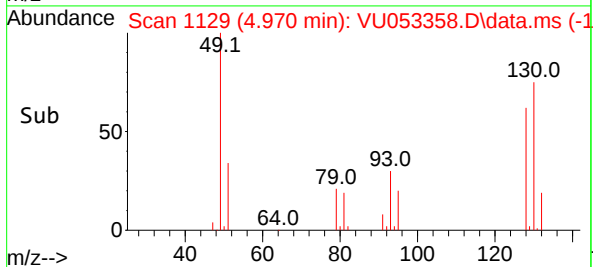
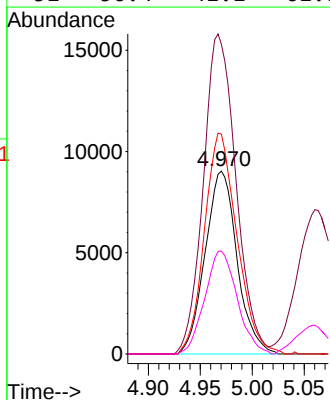
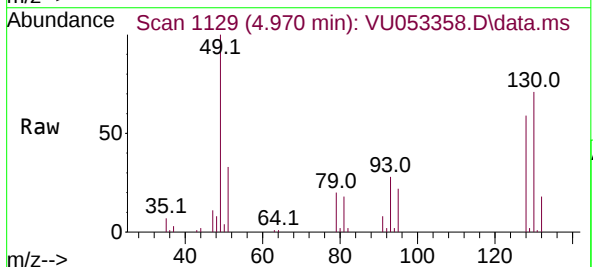
Ion Ratio Lower Upper

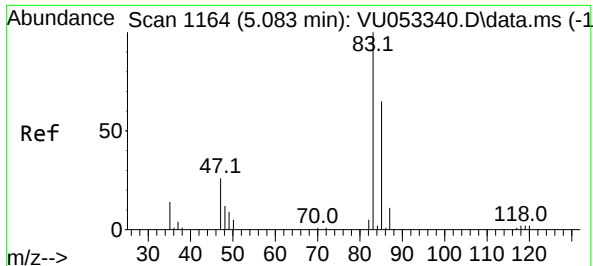
128 100

49 169.4 109.9 204.1

130 120.3 87.2 161.9

51 56.4 41.1 61.7





#25

Chloroform

Concen: 45.361 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053358.D

Acq: 22 Mar 2023 17:34

Instrument :

MSVOA_U

ClientSampleId :

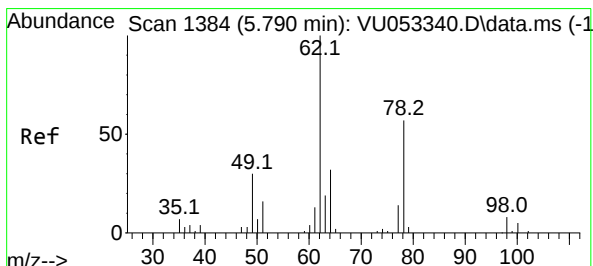
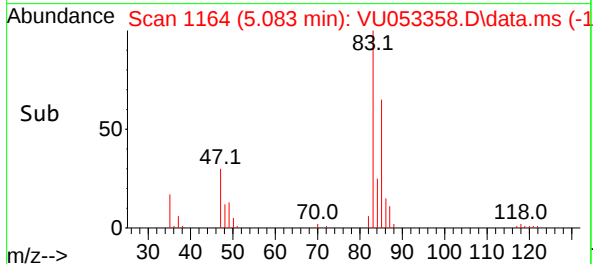
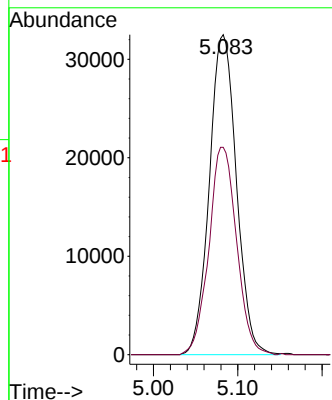
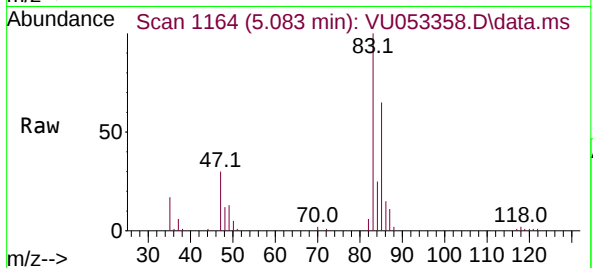
EYFE0MSD

Tgt Ion: 83 Resp: 72617

Ion Ratio Lower Upper

83 100

85 64.8 44.9 83.3



#27

1,2-Dichloroethane

Concen: 49.890 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.003 min

Lab File: VU053358.D

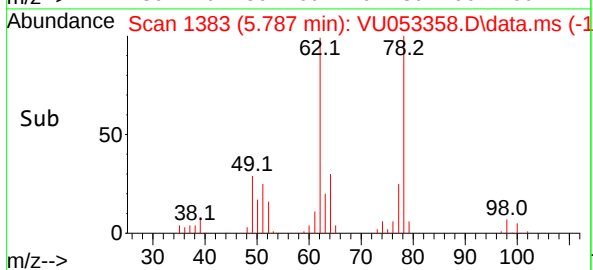
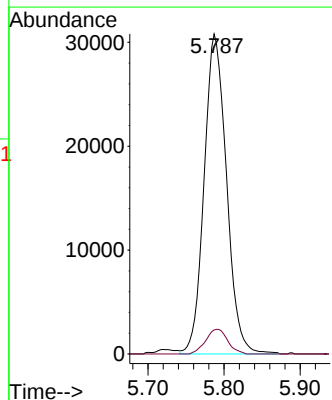
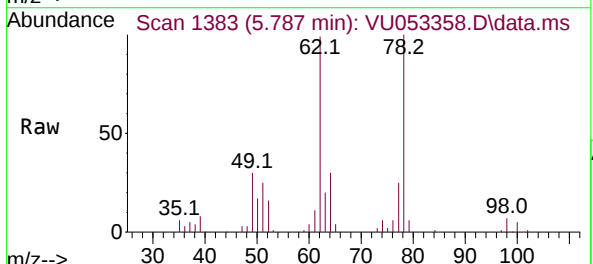
Acq: 22 Mar 2023 17:34

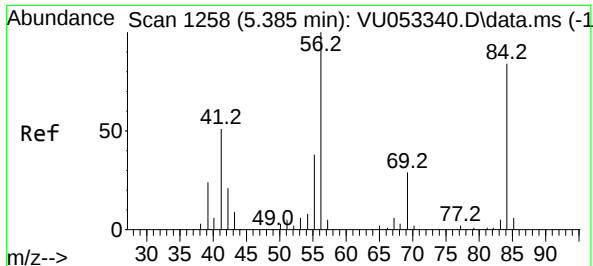
Tgt Ion: 62 Resp: 63047

Ion Ratio Lower Upper

62 100

98 7.5 7.0 10.6





#29

Cyclohexane

Concen: 42.387 ug/L

RT: 5.382 min Scan# 1257

Delta R.T. -0.003 min

Lab File: VU053358.D

Acq: 22 Mar 2023 17:34

Instrument :

MSVOA_U

ClientSampleId :

EYFE0MSD

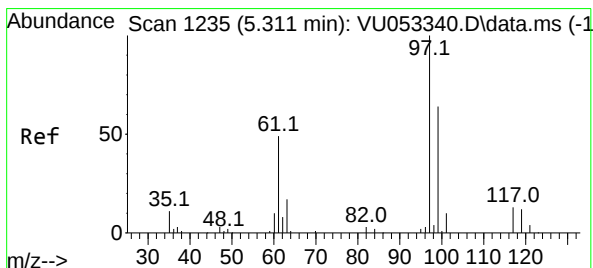
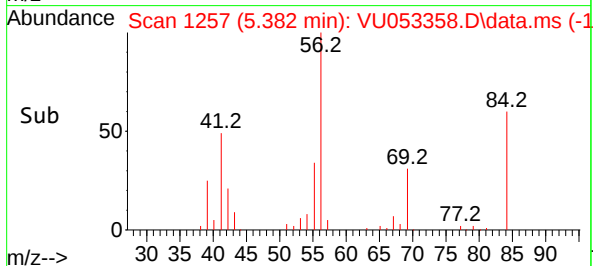
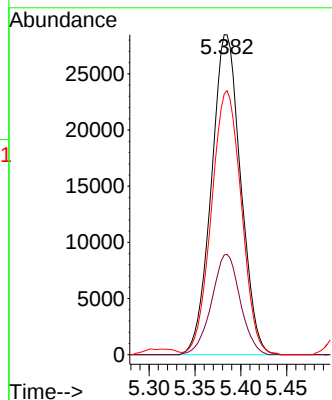
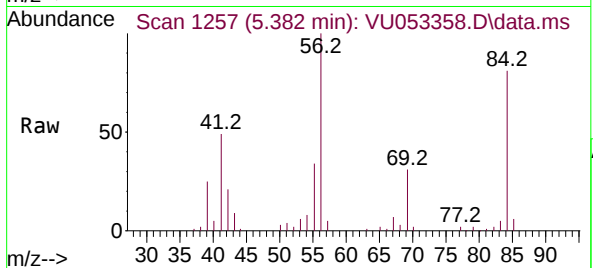
Tgt Ion: 56 Resp: 63334

Ion Ratio Lower Upper

56 100

69 30.5 25.4 38.0

84 84.1 69.0 103.6



#30

1,1,1-Trichloroethane

Concen: 44.366 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053358.D

Acq: 22 Mar 2023 17:34

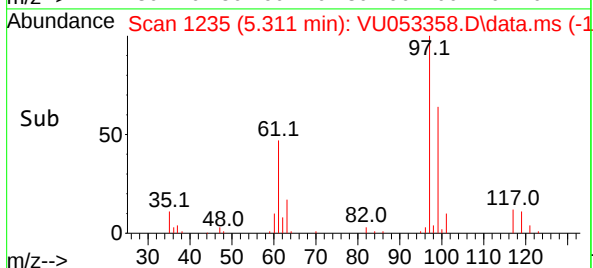
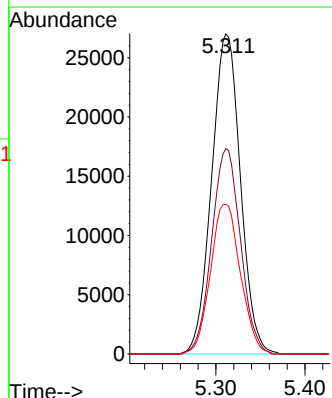
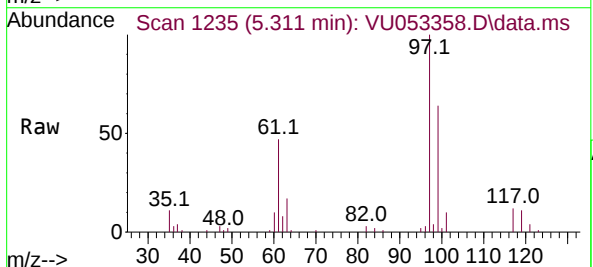
Tgt Ion: 97 Resp: 60641

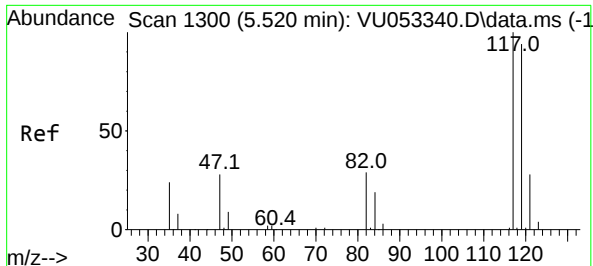
Ion Ratio Lower Upper

97 100

99 64.1 50.6 76.0

61 48.6 36.0 54.0

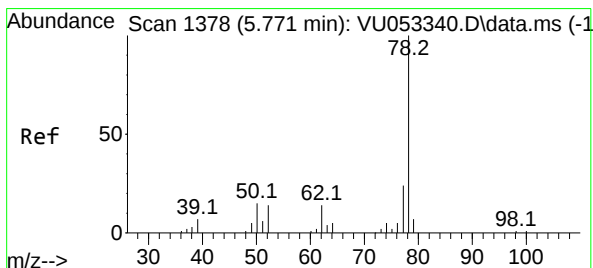
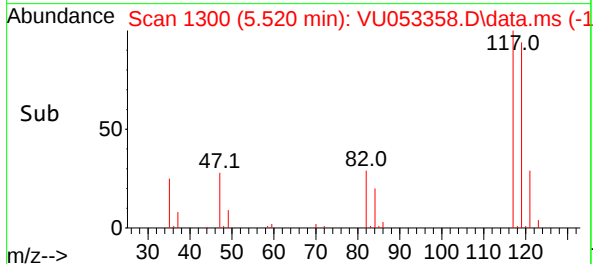
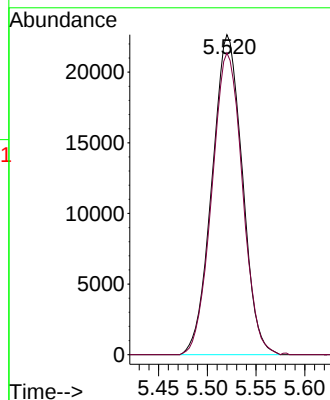
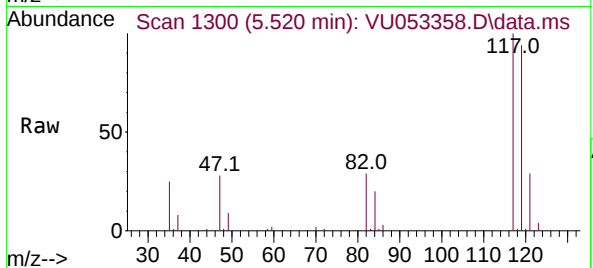




#31
Carbon tetrachloride
Concen: 43.699 ug/L
RT: 5.520 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

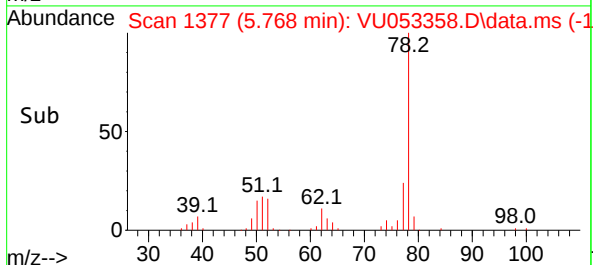
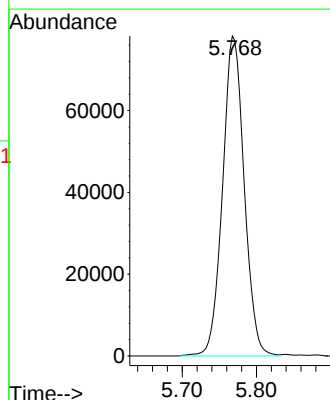
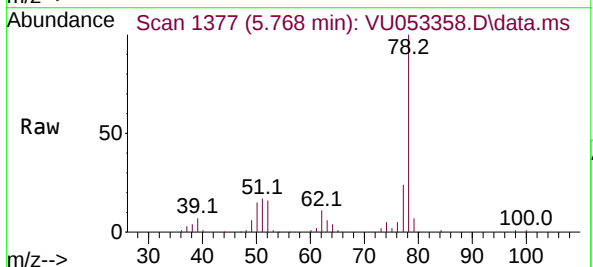
Instrument :
MSVOA_U
ClientSampleId :
EYFE0MSD

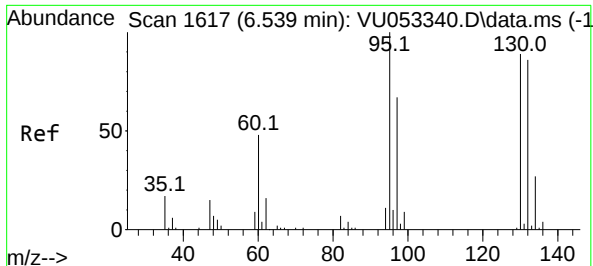
Tgt Ion:117 Resp: 48934
Ion Ratio Lower Upper
117 100
119 95.0 76.2 114.2



#33
Benzene
Concen: 45.597 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

Tgt Ion: 78 Resp: 158518



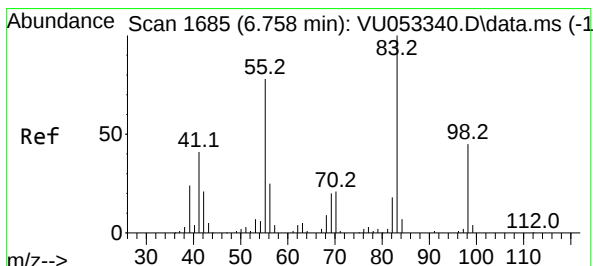
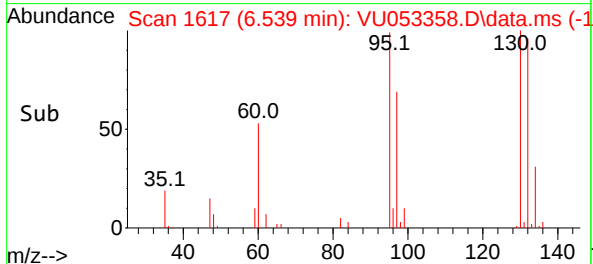
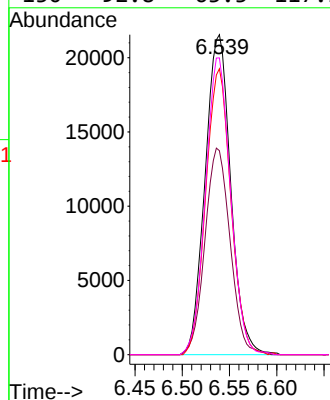
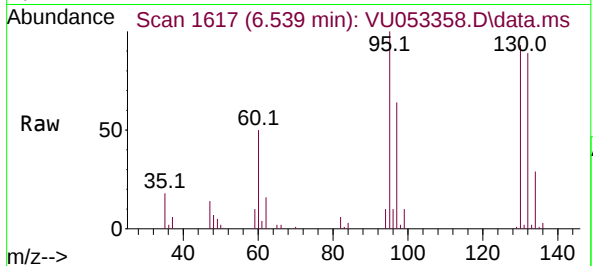


#34
Trichloroethene
Concen: 44.826 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

Instrument :
MSVOA_U
ClientSampleId :
EYFE0MSD

Tgt Ion: 95 Resp: 40634

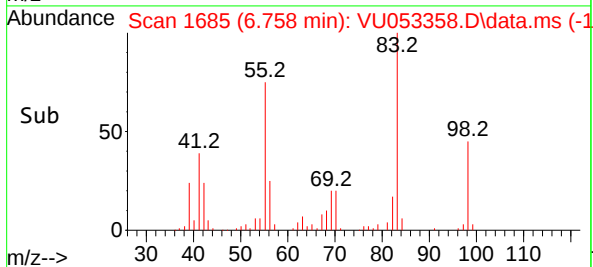
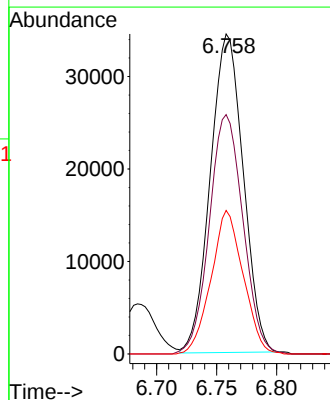
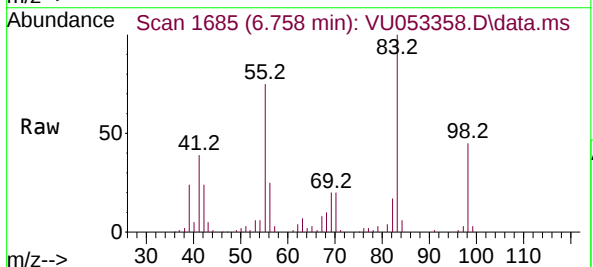
Ion	Ratio	Lower	Upper
95	100		
97	63.8	43.8	81.3
132	89.3	61.5	114.3
130	92.8	63.3	117.5

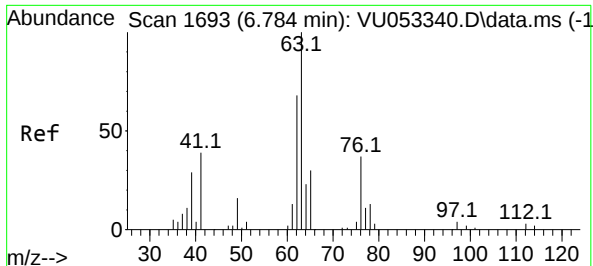


#35
Methylcyclohexane
Concen: 41.398 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

Tgt Ion: 83 Resp: 65779

Ion	Ratio	Lower	Upper
83	100		
55	76.8	58.2	87.4
98	43.9	35.4	53.2

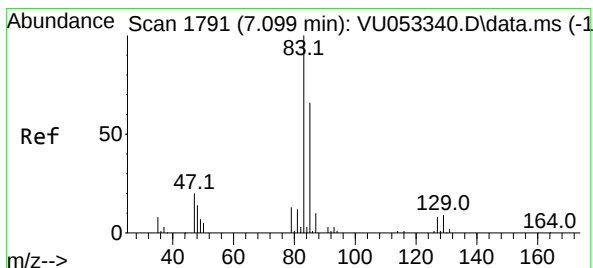
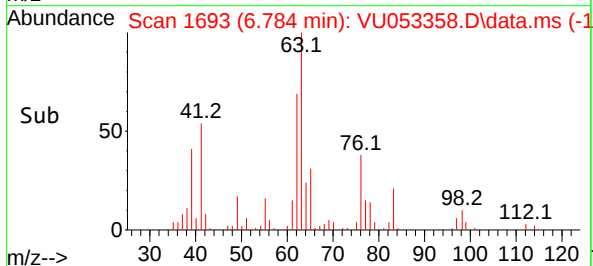
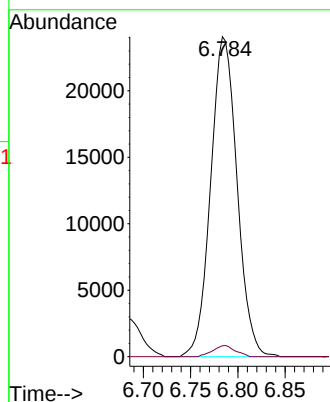
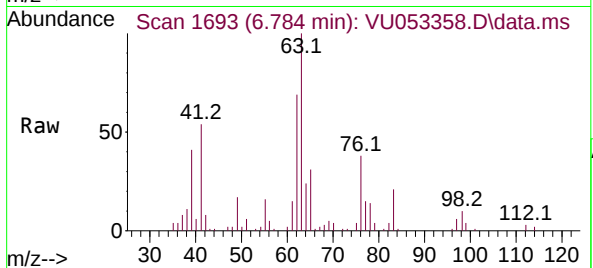




#37
1,2-Dichloropropane
Concen: 48.128 ug/L
RT: 6.784 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

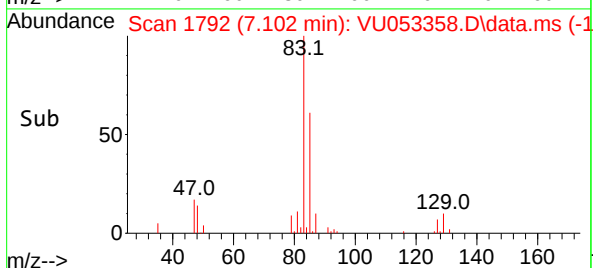
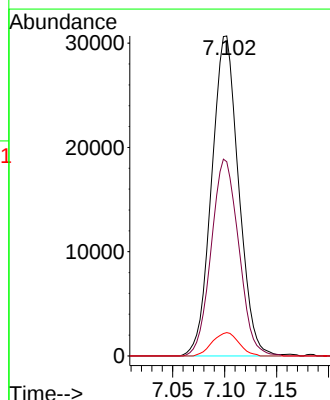
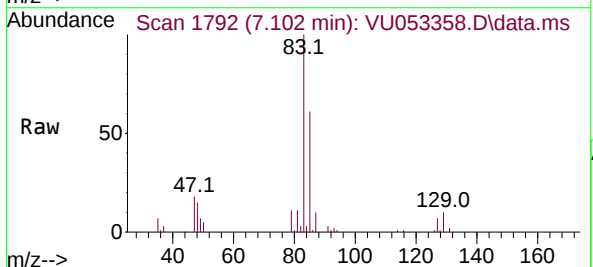
Instrument :
MSVOA_U
ClientSampleId :
EYFE0MSD

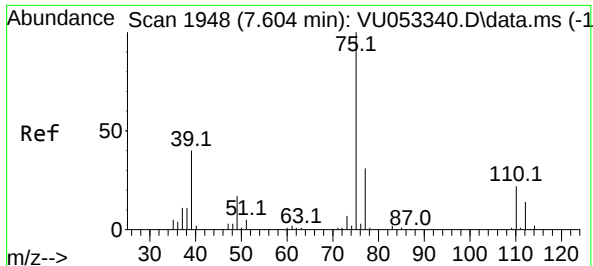
Tgt Ion: 63 Resp: 46681
Ion Ratio Lower Upper
63 100
112 3.0 2.6 3.8



#38
Bromodichloromethane
Concen: 45.941 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.003 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

Tgt Ion: 83 Resp: 55454
Ion Ratio Lower Upper
83 100
85 60.7 45.4 84.2
127 7.3 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 45.499 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU053358.D

Acq: 22 Mar 2023 17:34

Instrument :

MSVOA_U

ClientSampleId :

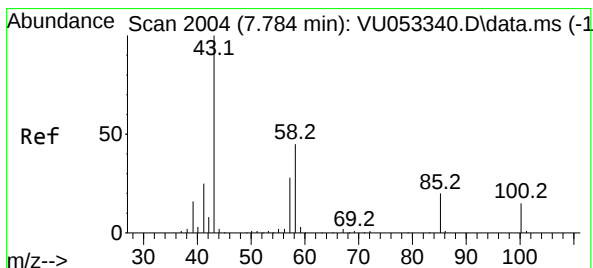
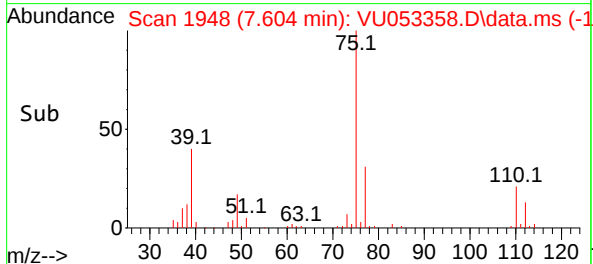
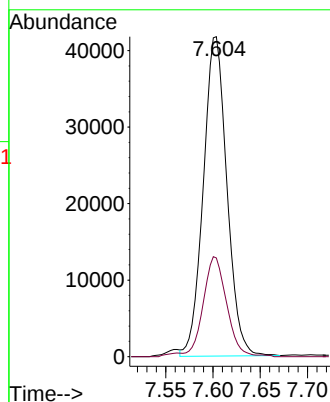
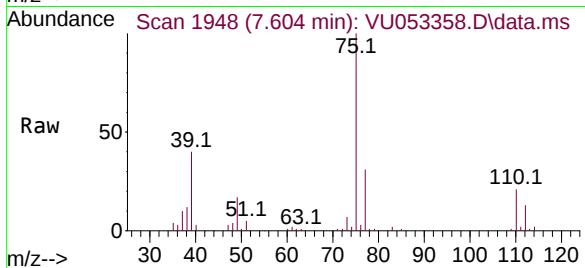
EYFE0MSD

Tgt Ion: 75 Resp: 72504

Ion Ratio Lower Upper

75 100

77 30.8 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 115.597 ug/L

RT: 7.784 min Scan# 2004

Delta R.T. -0.000 min

Lab File: VU053358.D

Acq: 22 Mar 2023 17:34

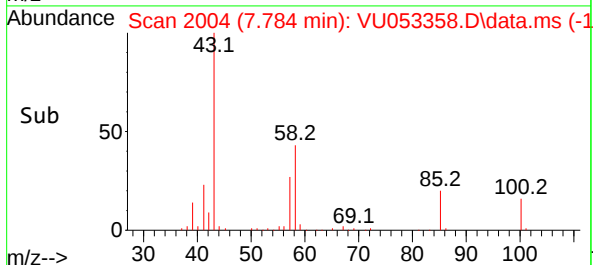
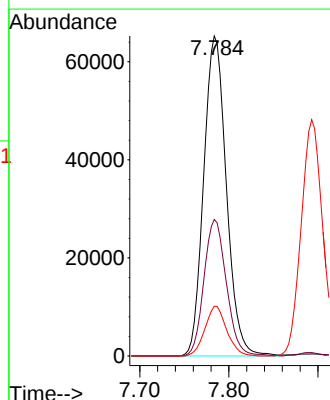
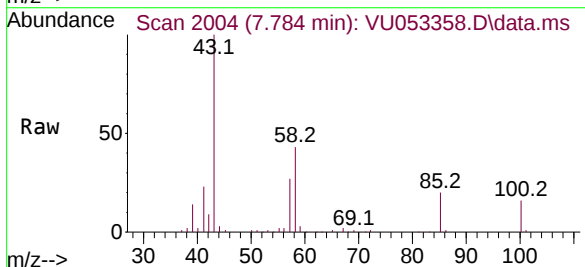
Tgt Ion: 43 Resp: 115244

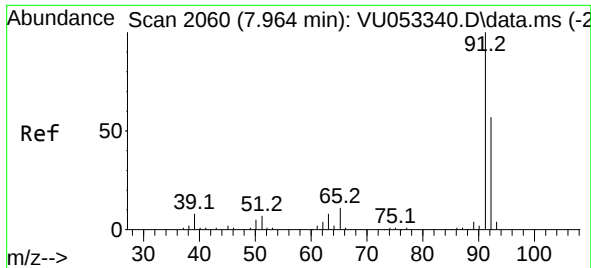
Ion Ratio Lower Upper

43 100

58 42.2 35.8 53.6

100 15.0 13.0 19.6





#42

Toluene

Concen: 45.911 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU053358.D

Acq: 22 Mar 2023 17:34

Instrument :

MSVOA_U

ClientSampleId :

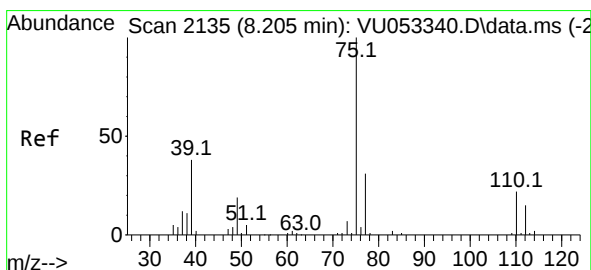
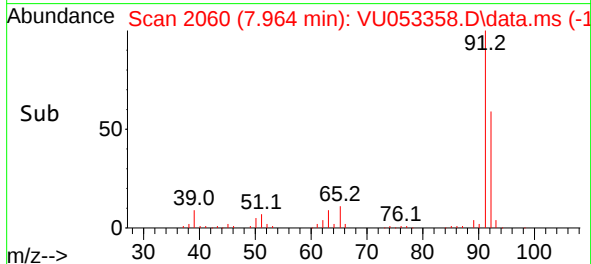
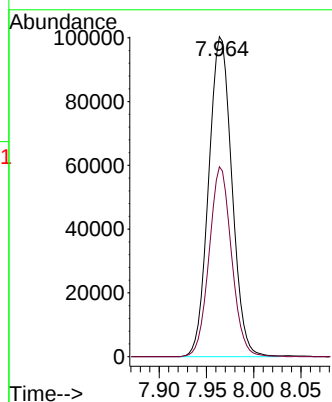
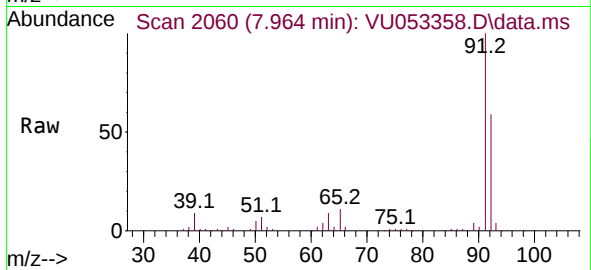
EYFE0MSD

Tgt Ion: 91 Resp: 171594

Ion Ratio Lower Upper

91 100

92 59.3 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 48.336 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU053358.D

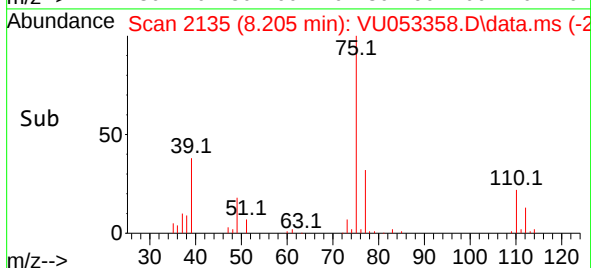
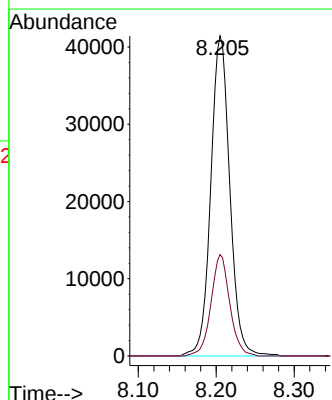
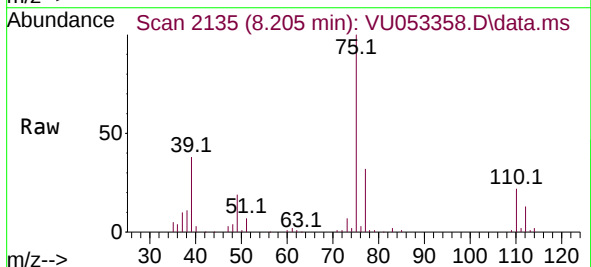
Acq: 22 Mar 2023 17:34

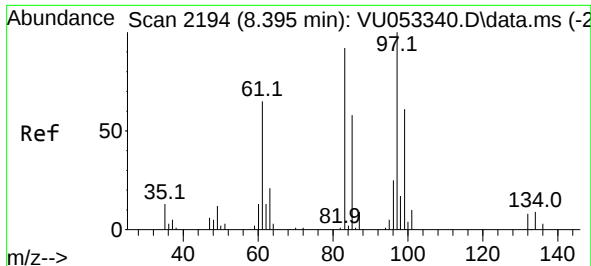
Tgt Ion: 75 Resp: 70409

Ion Ratio Lower Upper

75 100

77 31.7 22.0 40.8



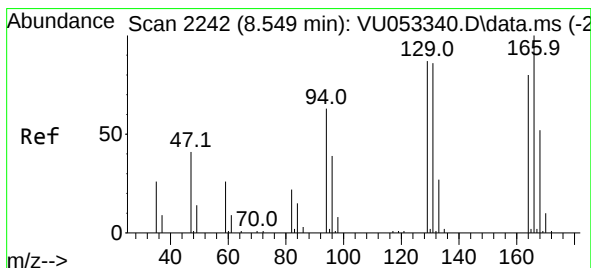
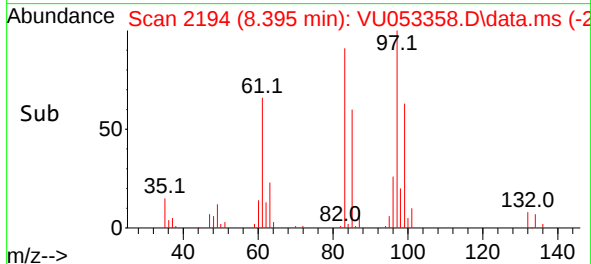
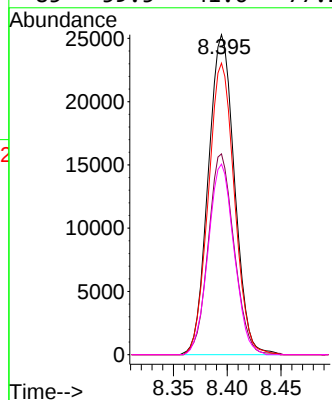
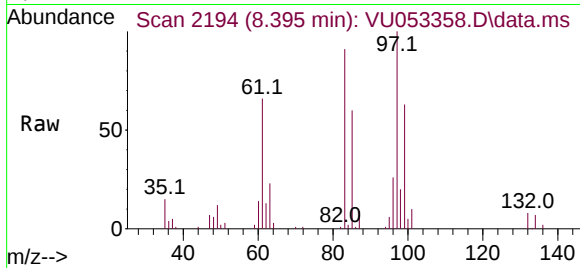


#45
1,1,2-Trichloroethane
Concen: 48.618 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

Instrument :
MSVOA_U
ClientSampleId :
EYFE0MSD

Tgt Ion: 97 Resp: 42939

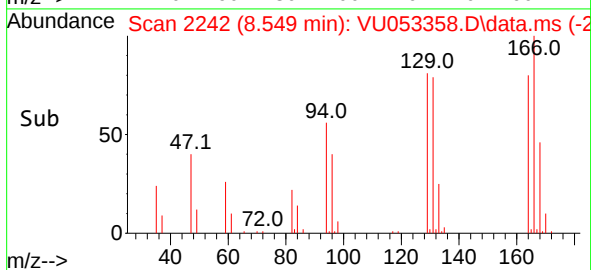
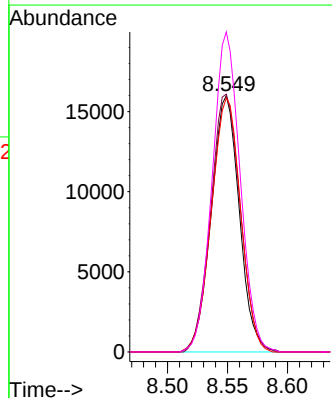
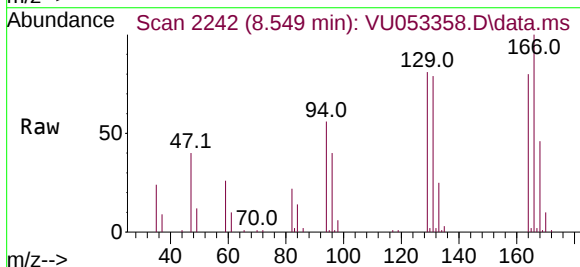
Ion	Ratio	Lower	Upper
97	100		
99	62.7	44.4	82.4
83	91.1	63.8	118.6
85	59.5	41.6	77.2

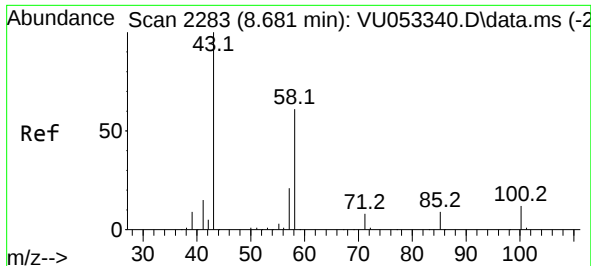


#46
Tetrachloroethene
Concen: 44.049 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

Tgt Ion: 164 Resp: 25978

Ion	Ratio	Lower	Upper
164	100		
129	100.6	73.6	136.8
131	99.2	70.3	130.7
166	124.9	88.9	165.1

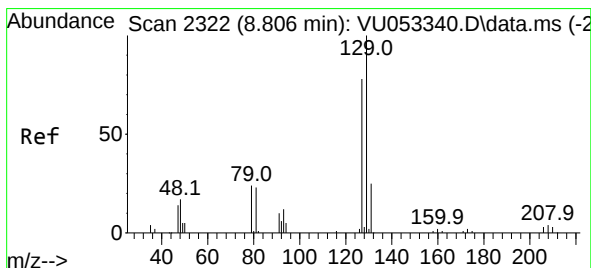
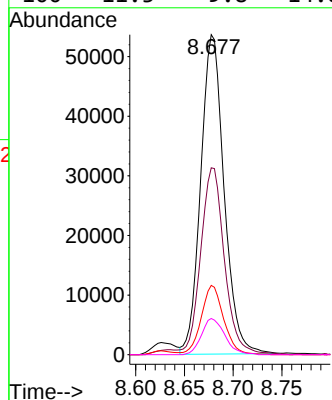
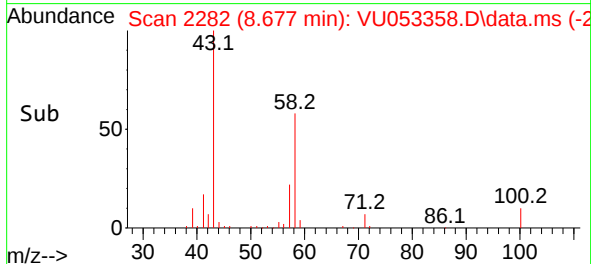
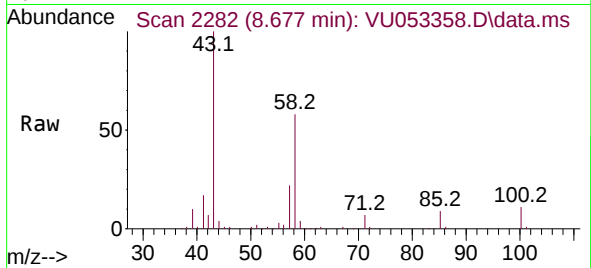




#48
2-Hexanone
Concen: 107.307 ug/L
RT: 8.677 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

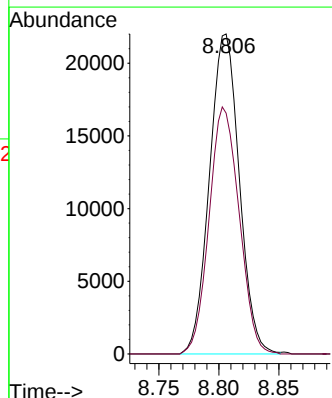
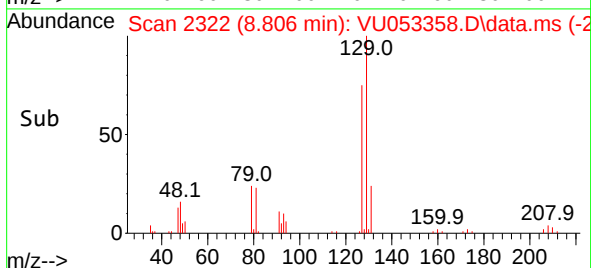
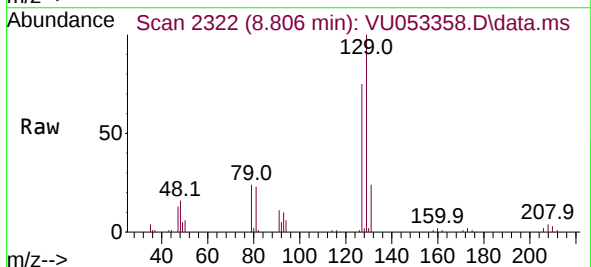
Instrument :
MSVOA_U
ClientSampleId :
EYFE0MSD

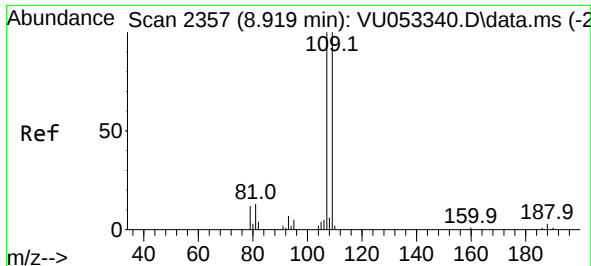
Tgt Ion: 43	Resp:	89583	
Ion	Ratio	Lower	Upper
43	100		
58	59.4	49.4	74.0
57	20.4	16.9	25.3
100	11.3	9.8	14.8



#49
Dibromochloromethane
Concen: 42.170 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

Tgt Ion:129	Resp:	38098	
Ion	Ratio	Lower	Upper
129	100		
127	75.3	53.1	98.5





#50

1,2-Dibromoethane

Concen: 46.117 ug/L

RT: 8.919 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053358.D

Acq: 22 Mar 2023 17:34

Instrument :

MSVOA_U

ClientSampleId :

EYFE0MSD

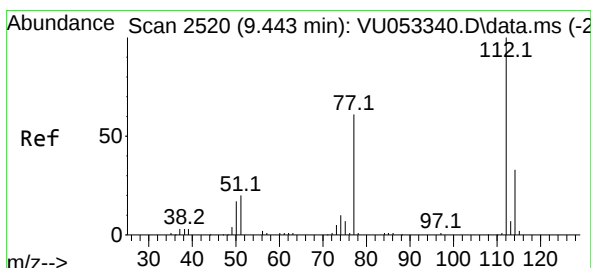
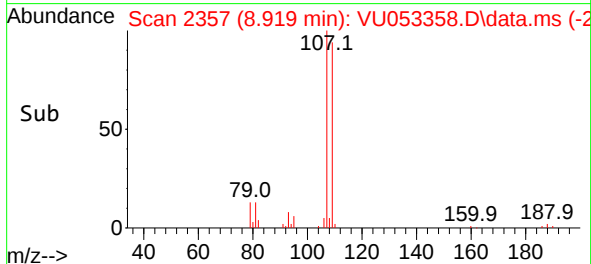
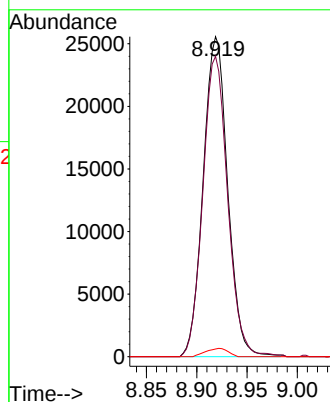
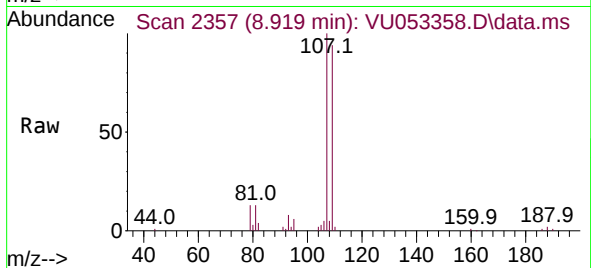
Tgt Ion:107 Resp: 43399

Ion Ratio Lower Upper

107 100

109 93.8 64.6 120.0

188 2.4 2.2 3.4



#51

Chlorobenzene

Concen: 45.830 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053358.D

Acq: 22 Mar 2023 17:34

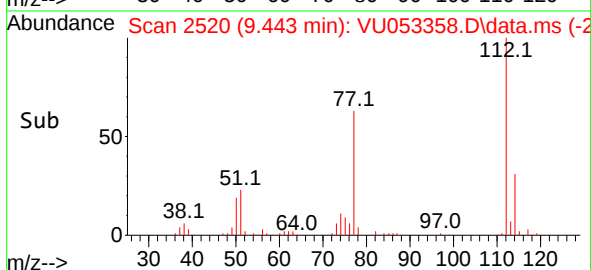
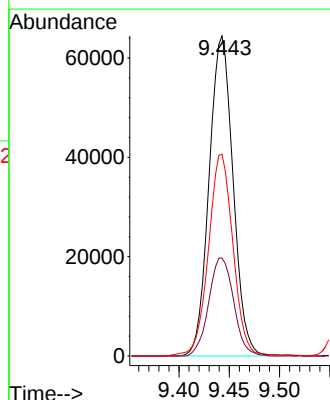
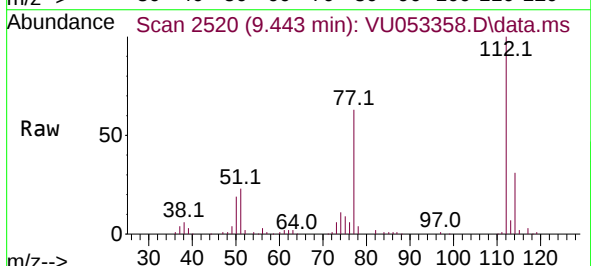
Tgt Ion:112 Resp: 106757

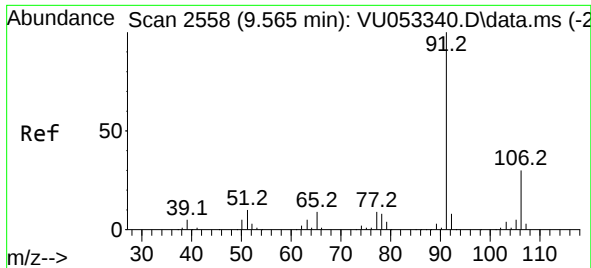
Ion Ratio Lower Upper

112 100

114 30.7 21.8 40.6

77 63.1 48.8 73.2

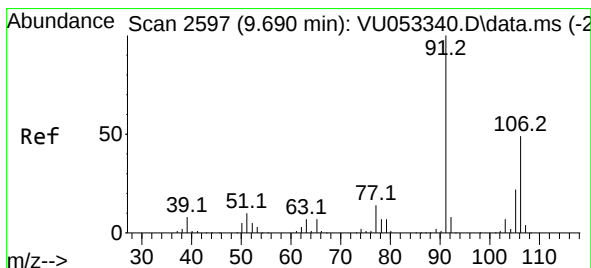
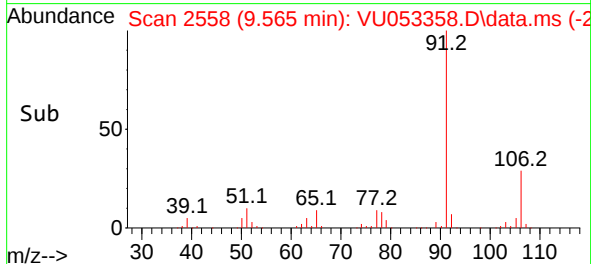
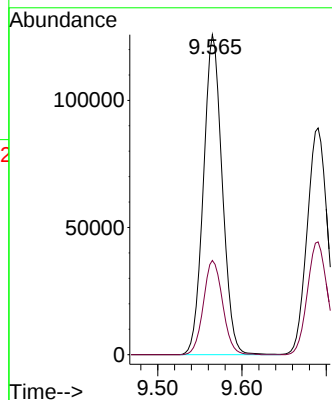
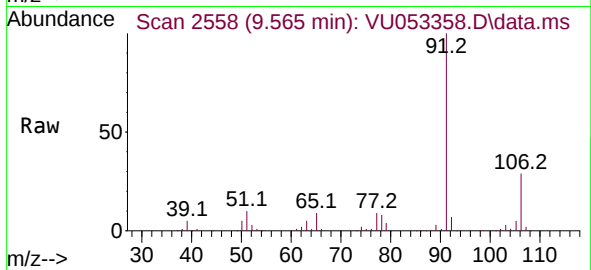




#52
Ethylbenzene
Concen: 46.170 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

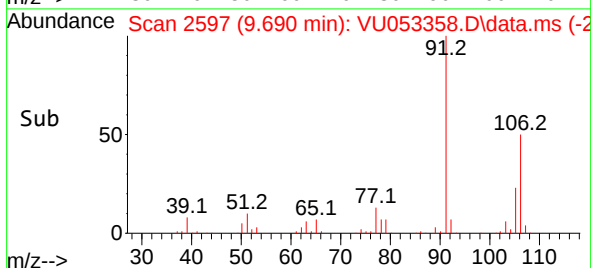
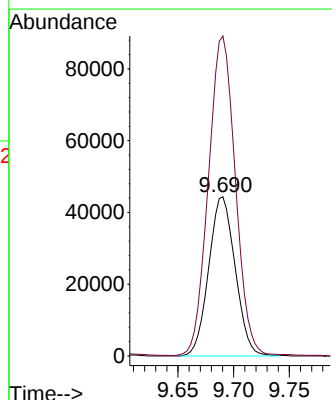
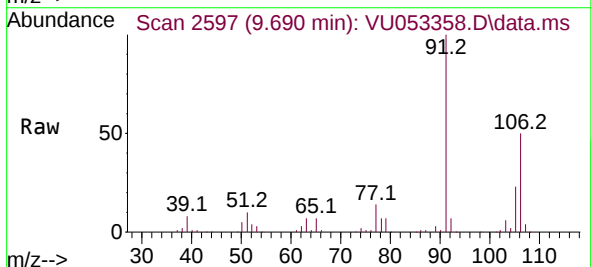
Instrument :
MSVOA_U
ClientSampleId :
EYFE0MSD

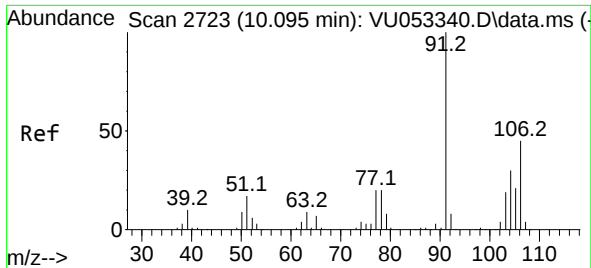
Tgt Ion: 91 Resp: 195690
Ion Ratio Lower Upper
91 100
106 29.4 21.6 40.0



#53
m,p-Xylene
Concen: 46.363 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

Tgt Ion: 106 Resp: 73344
Ion Ratio Lower Upper
106 100
91 201.1 145.3 269.8

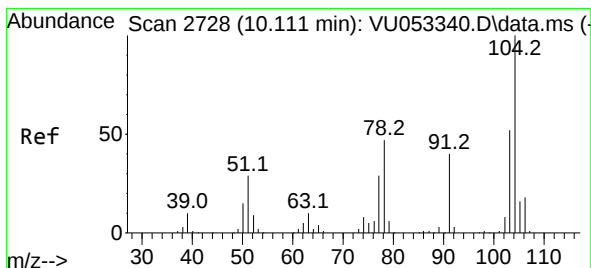
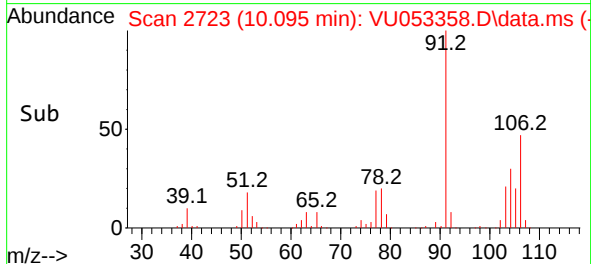
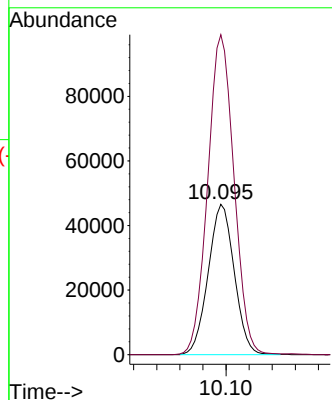
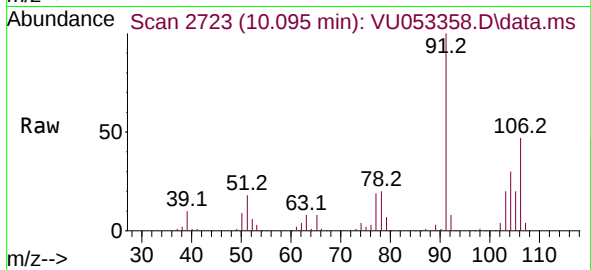




#54
o-Xylene
Concen: 46.678 ug/L
RT: 10.095 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

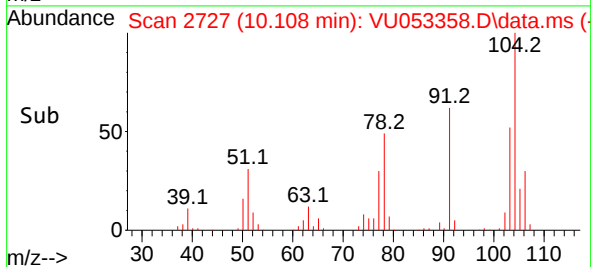
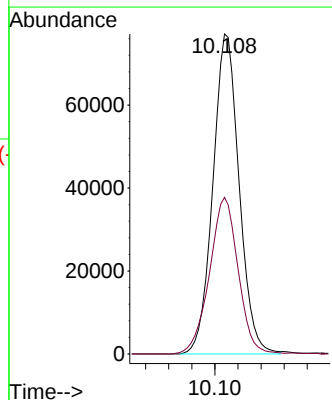
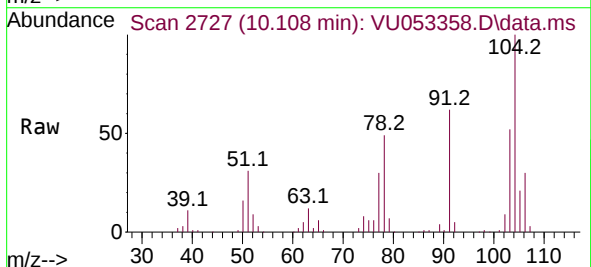
Instrument :
MSVOA_U
ClientSampleId :
EYFE0MSD

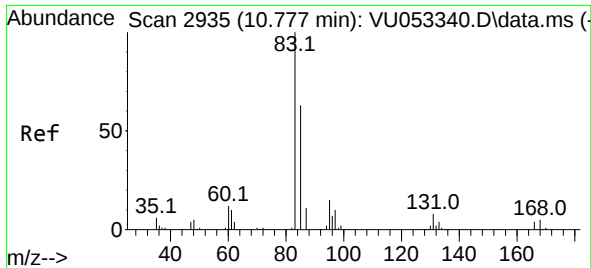
Tgt Ion:106 Resp: 73033
Ion Ratio Lower Upper
106 100
91 212.8 154.9 287.7



#55
Styrene
Concen: 46.592 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.003 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

Tgt Ion:104 Resp: 121496
Ion Ratio Lower Upper
104 100
78 49.0 32.9 61.1

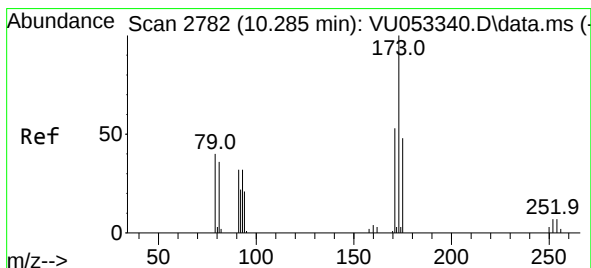
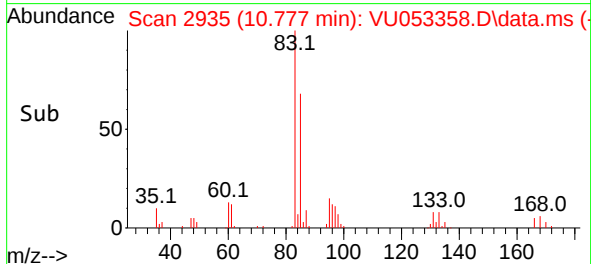
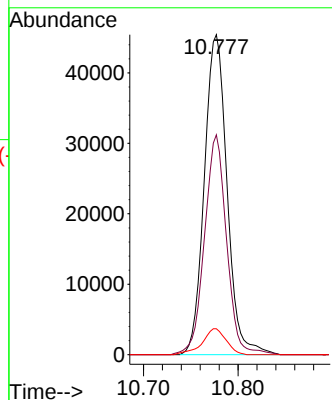
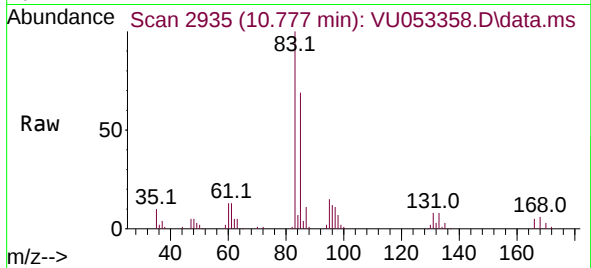




#57
 1,1,2,2-Tetrachloroethane
 Concen: 52.472 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. -0.000 min
 Lab File: VU053358.D
 Acq: 22 Mar 2023 17:34

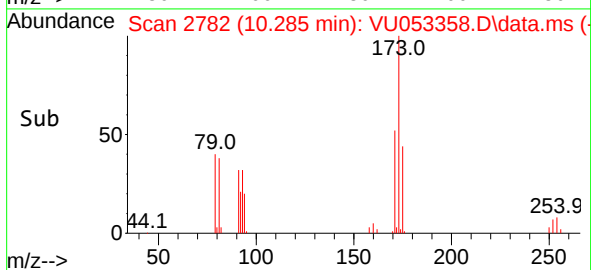
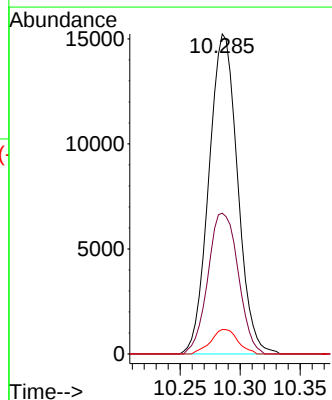
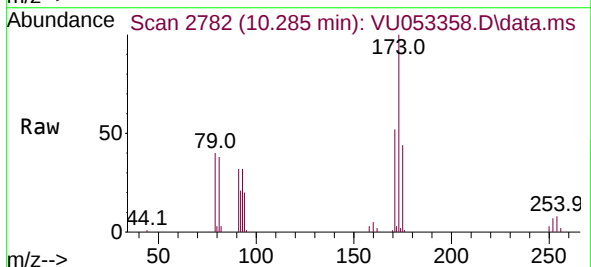
Instrument :
 MSVOA_U
 ClientSampleId :
 EYFE0MSD

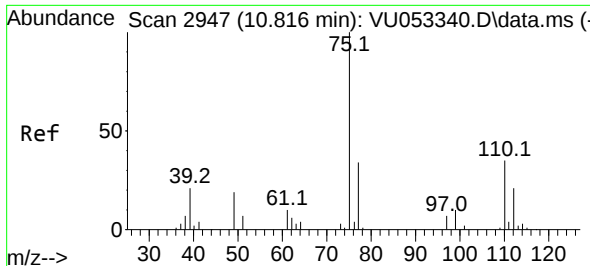
Tgt Ion: 83	Resp:	75980
Ion Ratio	Lower	Upper
83	100	
85	68.7	46.0 85.4
131	8.1	6.6 10.0



#59
 Bromoform
 Concen: 43.225 ug/L
 RT: 10.285 min Scan# 2782
 Delta R.T. -0.000 min
 Lab File: VU053358.D
 Acq: 22 Mar 2023 17:34

Tgt Ion: 173	Resp:	25310
Ion Ratio	Lower	Upper
173	100	
175	46.5	38.5 57.7
254	7.2	6.5 9.7

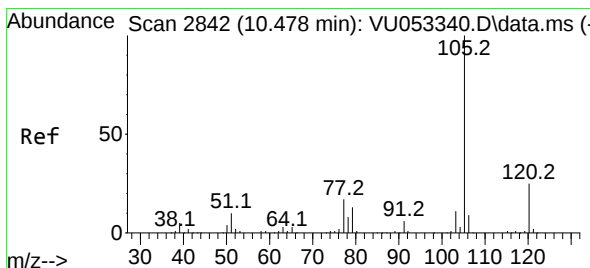
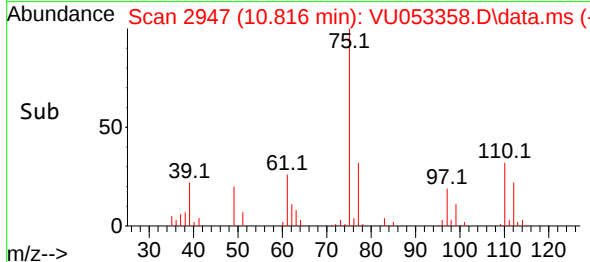
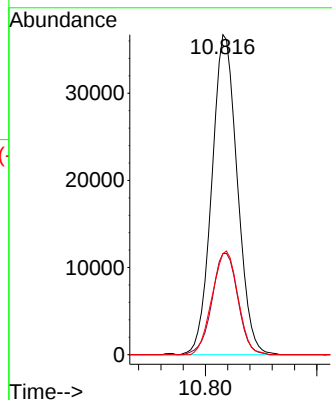
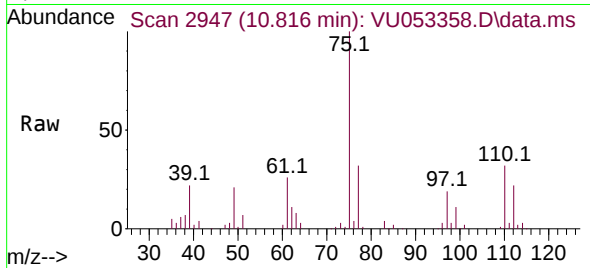




#60
1,2,3-Trichloropropane
Concen: 57.090 ug/L
RT: 10.816 min Scan# 2947
Delta R.T. -0.000 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

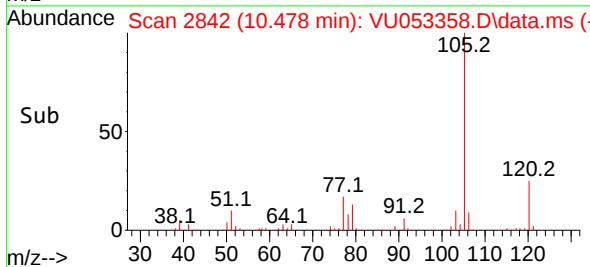
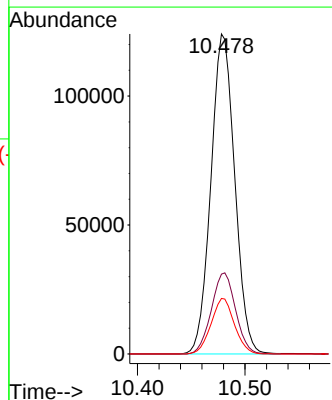
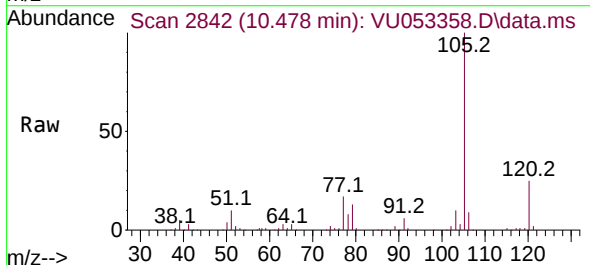
Instrument :
MSVOA_U
ClientSampleId :
EYFE0MSD

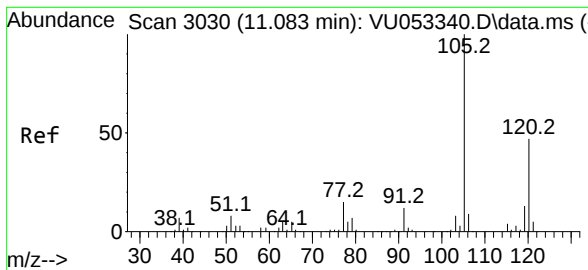
Tgt Ion:	75	Resp:	58370
Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.6	40.0
110	32.7	28.6	42.8



#61
Isopropylbenzene
Concen: 46.993 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

Tgt Ion:	105	Resp:	191044
Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.4	30.6
77	17.0	13.0	19.4

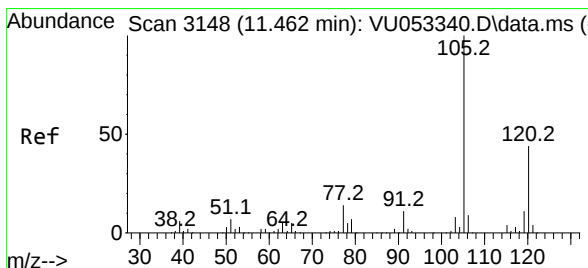
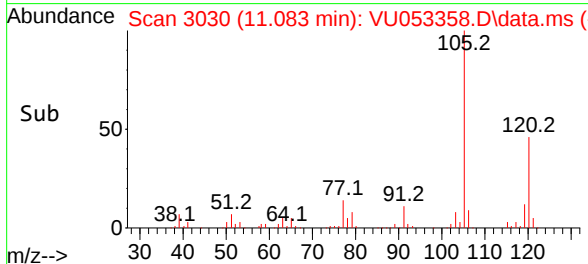
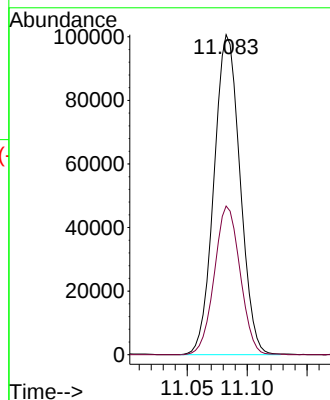
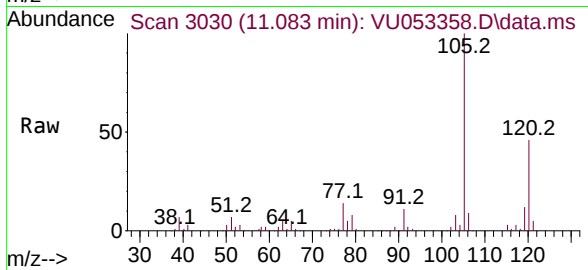




#62
1,3,5-Trimethylbenzene
Concen: 45.196 ug/L
RT: 11.083 min Scan# 3030
Delta R.T. -0.000 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

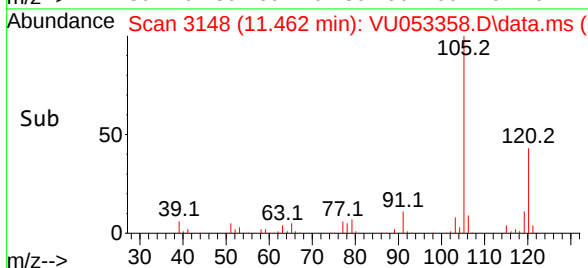
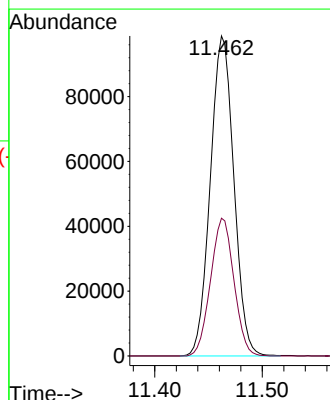
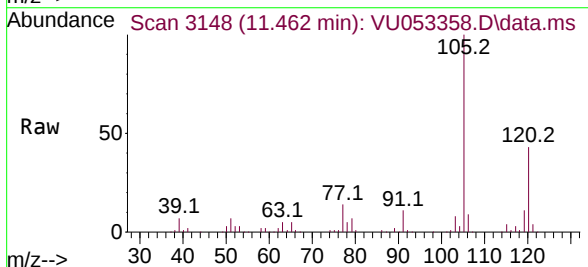
Instrument :
MSVOA_U
ClientSampleId :
EYFE0MSD

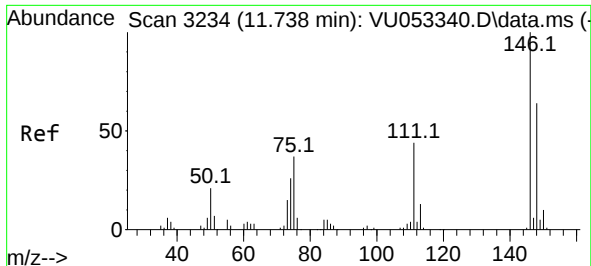
Tgt Ion:105 Resp: 152091
Ion Ratio Lower Upper
105 100
120 45.9 37.0 55.4



#63
1,2,4-Trimethylbenzene
Concen: 45.775 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

Tgt Ion:105 Resp: 150148
Ion Ratio Lower Upper
105 100
120 42.7 34.6 52.0

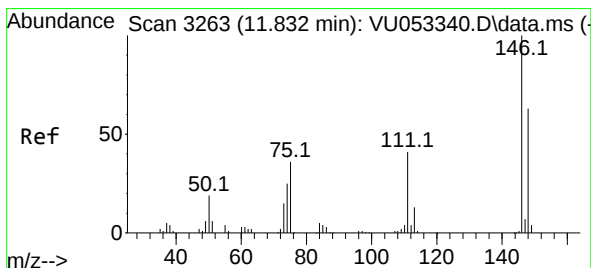
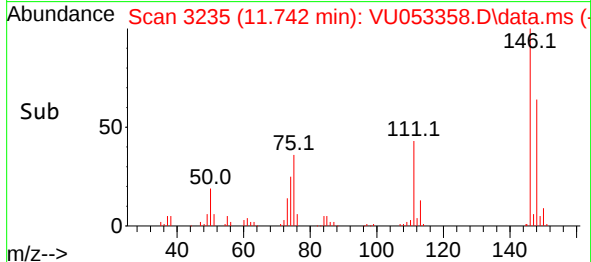
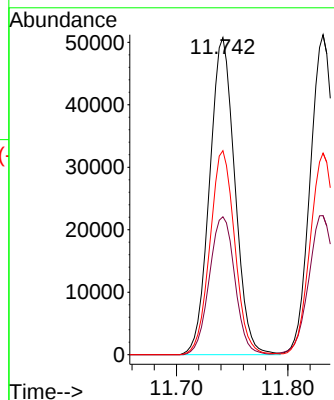
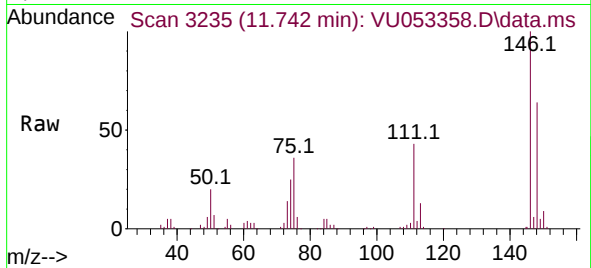




#64
1,3-Dichlorobenzene
Concen: 46.913 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

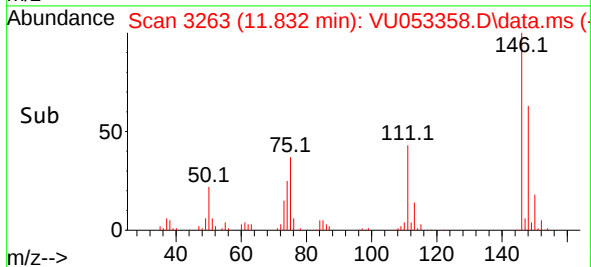
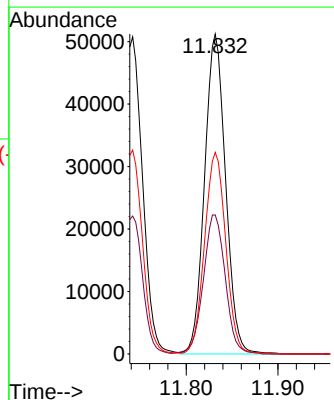
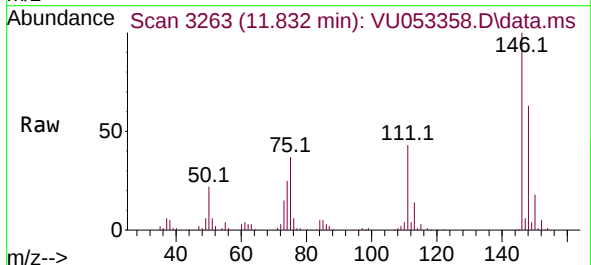
Instrument :
MSVOA_U
ClientSampleId :
EYFE0MSD

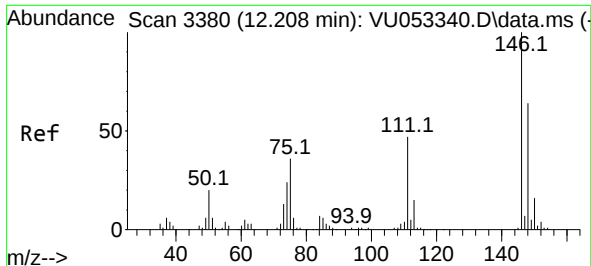
Tgt Ion:146 Resp: 79985
Ion Ratio Lower Upper
146 100
111 43.5 30.2 56.0
148 64.3 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 47.650 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

Tgt Ion:146 Resp: 81559
Ion Ratio Lower Upper
146 100
111 43.5 30.7 57.1
148 63.0 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 46.757 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053358.D

Acq: 22 Mar 2023 17:34

Instrument :

MSVOA_U

ClientSampleId :

EYFE0MSD

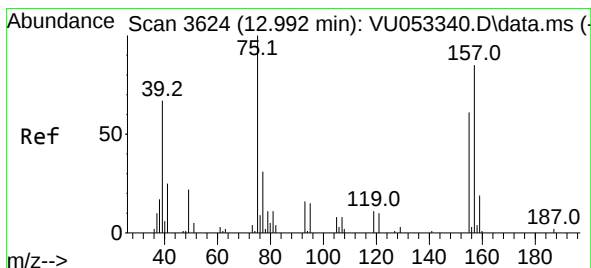
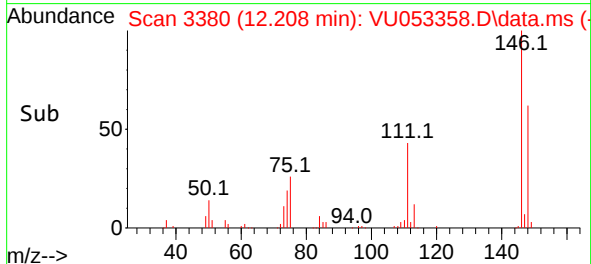
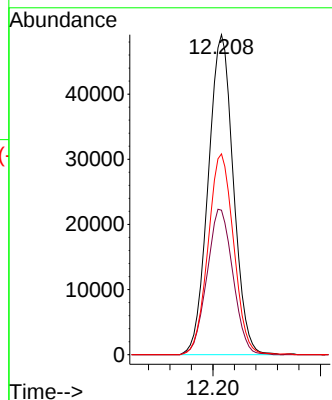
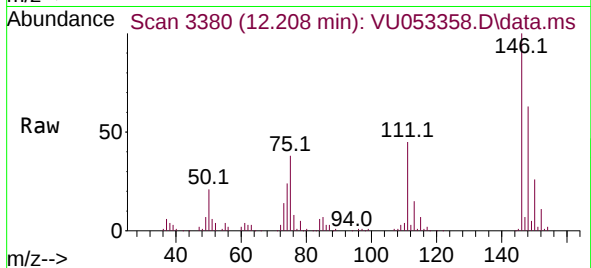
Tgt Ion:146 Resp: 79679

Ion Ratio Lower Upper

146 100

111 45.2 37.0 55.4

148 62.8 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 56.256 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. -0.003 min

Lab File: VU053358.D

Acq: 22 Mar 2023 17:34

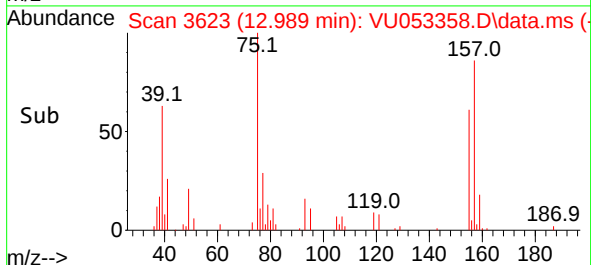
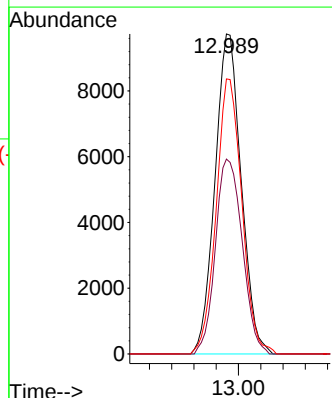
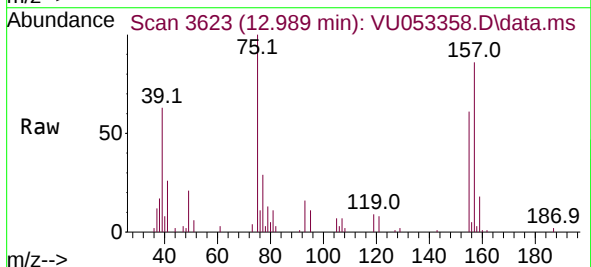
Tgt Ion: 75 Resp: 15905

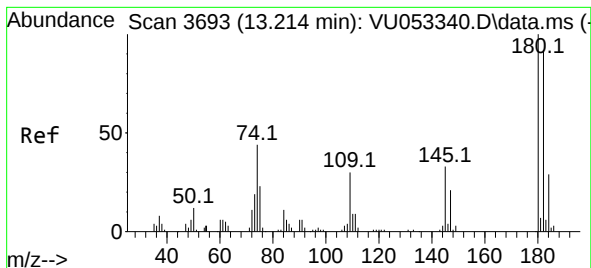
Ion Ratio Lower Upper

75 100

155 60.9 60.2 90.4

157 86.0 73.0 109.4





#69

1,3,5-Trichlorobenzene

Concen: 45.717 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. -0.000 min

Lab File: VU053358.D

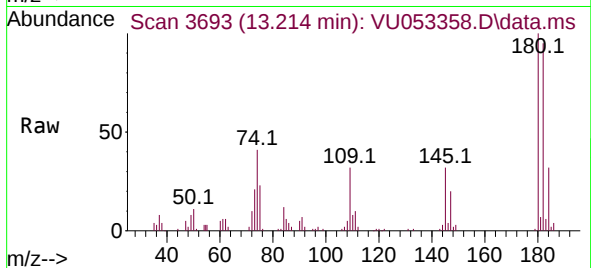
Acq: 22 Mar 2023 17:34

Instrument :

MSVOA_U

ClientSampleId :

EYFE0MSD



Tgt Ion:180 Resp: 49419

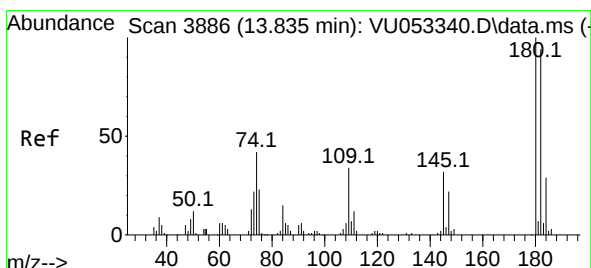
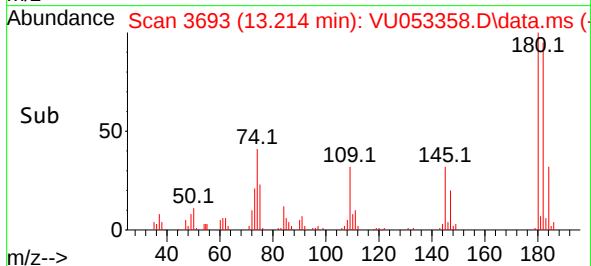
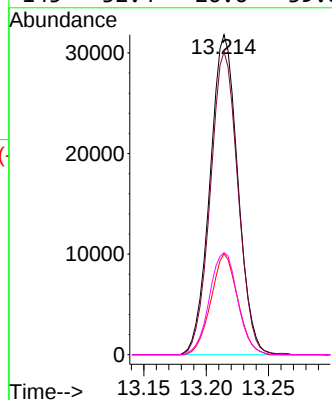
Ion Ratio Lower Upper

180 100

182 93.7 74.5 111.7

184 30.4 23.2 34.8

145 32.4 26.6 39.8



#70

1,2,4-trichlorobenzene

Concen: 47.232 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.000 min

Lab File: VU053358.D

Acq: 22 Mar 2023 17:34

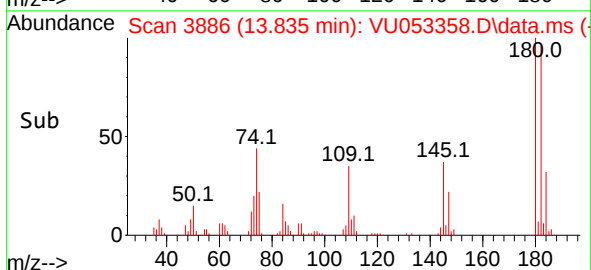
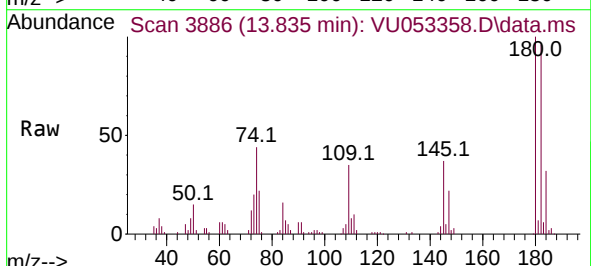
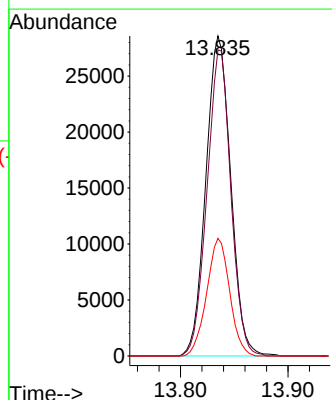
Tgt Ion:180 Resp: 45876

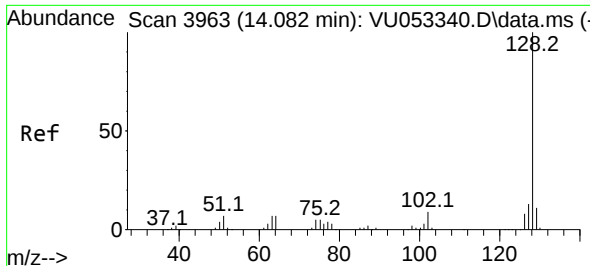
Ion Ratio Lower Upper

180 100

182 91.7 75.8 113.8

145 34.0 27.2 40.8

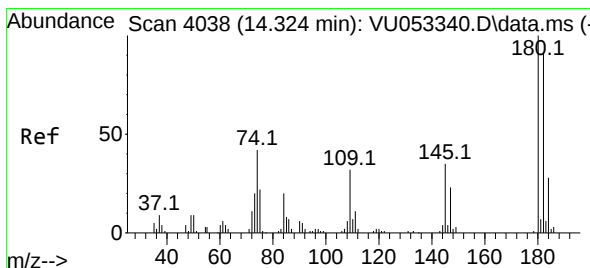
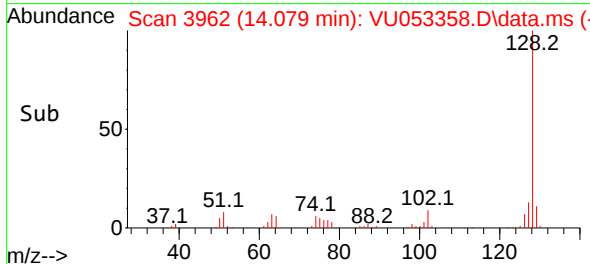
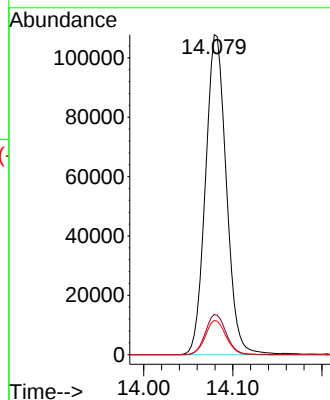
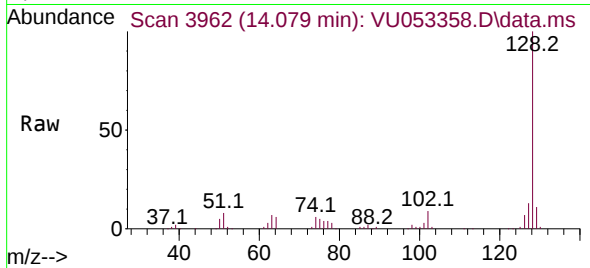




#71
Naphthalene
Concen: 53.448 ug/L
RT: 14.079 min Scan# 3963
Delta R.T. -0.003 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

Instrument :
MSVOA_U
ClientSampleId :
EYFE0MSD

Tgt Ion:128 Resp: 174975
Ion Ratio Lower Upper
128 100
127 12.4 10.0 15.0
129 10.6 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 49.218 ug/L
RT: 14.324 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU053358.D
Acq: 22 Mar 2023 17:34

Tgt Ion:180 Resp: 45334
Ion Ratio Lower Upper
180 100
182 93.7 76.7 115.1
145 35.3 28.6 42.8

