

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032223\
 Data File : VU053357.D
 Acq On : 22 Mar 2023 17:10
 Operator : JC/MD
 Sample : 01961-16MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EYFE0MS

Quant Time: Mar 23 02:45:39 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	6.246	114	85008	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	81645	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	40807	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	30541	38.943	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.880%
7) Chloroethane-d5	1.912	69	28461	44.866	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.740%
11) 1,1-Dichloroethene-d2	2.568	63	49758	36.625	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.260%
21) 2-Butanone-d5	4.620	46	41220	113.324	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.320%
24) Chloroform-d	5.057	84	57276	44.342	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.680%
26) 1,2-Dichloroethane-d4	5.697	65	38593	48.109	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.220%
32) Benzene-d6	5.722	84	114714	43.318	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.640%
36) 1,2-Dichloropropane-d6	6.687	67	38735	45.321	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.640%
41) Toluene-d8	7.893	98	105833	42.925	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.840%
43) trans-1,3-Dichloroprop...	8.176	79	18567	44.030	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.060%
47) 2-Hexanone-d5	8.626	63	27177	101.708	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.710%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	57370	51.816	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.640%
66) 1,2-Dichlorobenzene-d4	12.188	152	35733	45.224	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	23276	26.232	ug/L	99
3) Chloromethane	1.520	50	25273	30.911	ug/L	99
5) Vinyl chloride	1.604	62	32562	36.407	ug/L	98
6) Bromomethane	1.854	94	18902	35.158	ug/L	94
8) Chloroethane	1.932	64	17883	33.849	ug/L	93
9) Trichlorofluoromethane	2.137	101	33180	29.733	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	18306	27.118	ug/L	98
12) 1,1-Dichloroethene	2.578	96	16949	27.149	ug/L #	71
13) Acetone	2.629	43	18741	45.239	ug/L	93
14) Carbon disulfide	2.790	76	48777	25.796	ug/L	96
15) Methyl Acetate	2.948	43	20879	36.770	ug/L	96
16) Methylene chloride	3.044	84	21647	28.582	ug/L	96
17) trans-1,2-Dichloroethene	3.349	96	17908	28.271	ug/L	93
18) Methyl tert-butyl Ether	3.356	73	62497	29.342	ug/L	97
19) 1,1-Dichloroethane	3.864	63	39748	30.741	ug/L	94
20) cis-1,2-Dichloroethene	4.661	96	22719	30.536	ug/L	93
22) 2-Butanone	4.697	43	29686	62.899	ug/L	94
23) Bromochloromethane	4.970	128	10705	30.176	ug/L	81
25) Chloroform	5.083	83	39769	30.736	ug/L	98

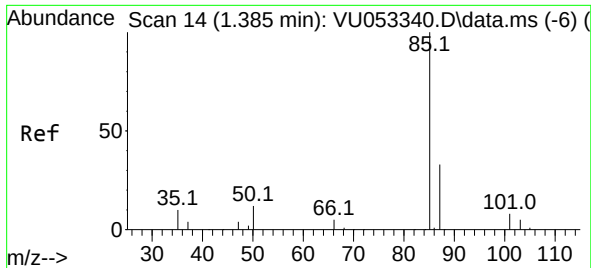
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032223\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	32809	32.122	ug/L	99
29) Cyclohexane	5.382	56	34036	27.977	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	32222	28.954	ug/L	96
31) Carbon tetrachloride	5.520	117	25194	27.633	ug/L	99
33) Benzene	5.771	78	87742	30.998	ug/L	100
34) Trichloroethene	6.539	95	21480	29.104	ug/L	97
35) Methylcyclohexane	6.758	83	34802	26.901	ug/L	98
37) 1,2-Dichloropropane	6.787	63	24511	31.038	ug/L	99
38) Bromodichloromethane	7.102	83	27803	28.290	ug/L	100
39) cis-1,3-Dichloropropene	7.603	75	37923	29.229	ug/L	100
40) 4-Methyl-2-pentanone	7.783	43	60390	74.399	ug/L	97
42) Toluene	7.967	91	91041	29.917	ug/L	97
44) trans-1,3-Dichloropropene	8.205	75	36551	30.818	ug/L	97
45) 1,1,2-Trichloroethane	8.394	97	22536	31.340	ug/L	96
46) Tetrachloroethene	8.549	164	14487	30.171	ug/L	95
48) 2-Hexanone	8.677	43	48376	71.171	ug/L	95
49) Dibromochloromethane	8.806	129	19630	26.686	ug/L	99
50) 1,2-Dibromoethane	8.918	107	23955	31.264	ug/L	97
51) Chlorobenzene	9.443	112	58232	30.703	ug/L	99
52) Ethylbenzene	9.565	91	102660	29.749	ug/L	96
53) m,p-Xylene	9.690	106	37943	29.459	ug/L	100
54) o-Xylene	10.095	106	36443	28.608	ug/L	98
55) Styrene	10.108	104	62299	29.343	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.777	83	40080	33.996	ug/L	97
59) Bromoform	10.285	173	12522	26.965	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	30253	37.309	ug/L	97
61) Isopropylbenzene	10.478	105	98647	30.596	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	77036	28.865	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	73715	28.336	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	41691	30.832	ug/L	97
65) 1,4-Dichlorobenzene	11.831	146	41758	30.761	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	41571	30.759	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.989	75	7718	34.420	ug/L	94
69) 1,3,5-Trichlorobenzene	13.214	180	25085	29.260	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	20880	27.106	ug/L	97
71) Naphthalene	14.082	128	81600	31.429	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	22124	30.286	ug/L	97

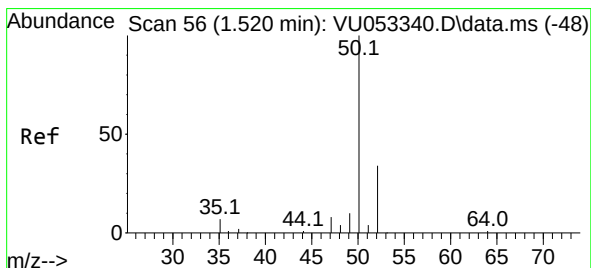
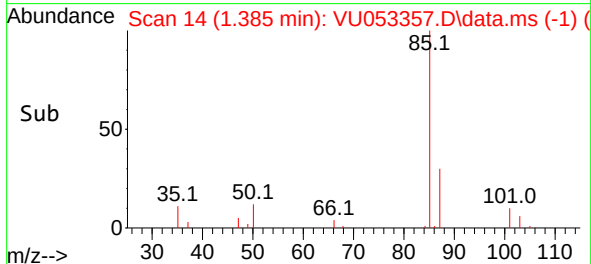
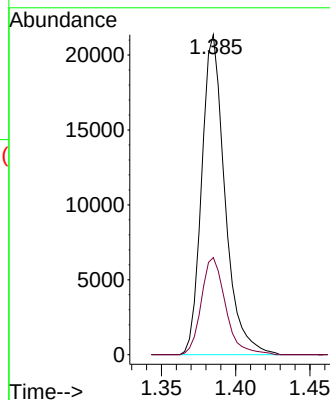
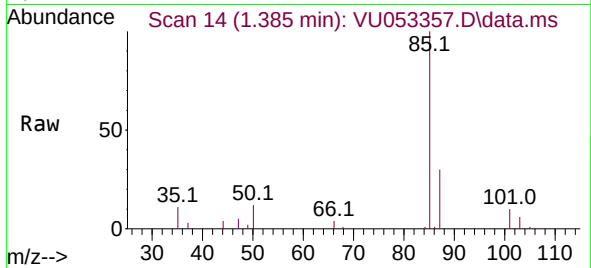
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 26.232 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

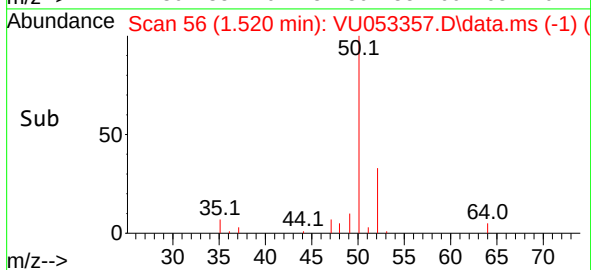
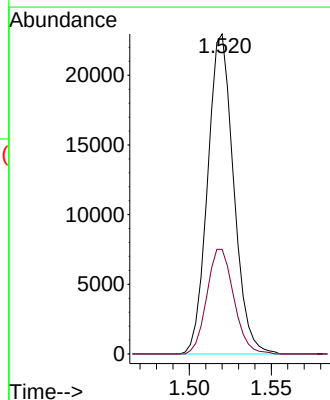
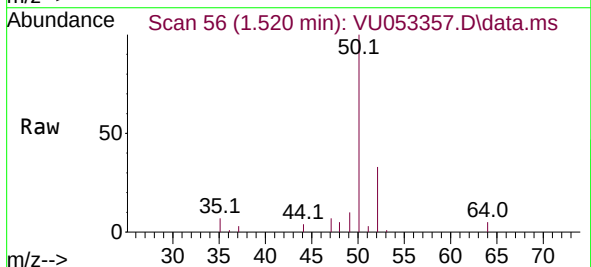
Instrument :
MSVOA_U
ClientSampleId :
EYFE0MS

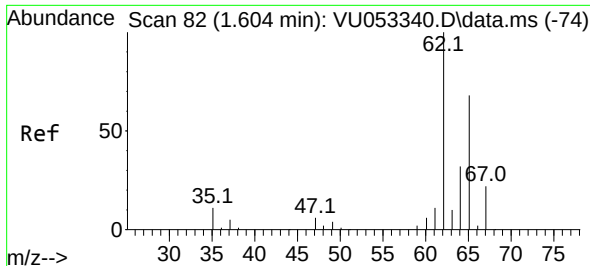
Tgt Ion: 85 Resp: 23276
Ion Ratio Lower Upper
85 100
87 31.6 25.8 38.8



#3
Chloromethane
Concen: 30.911 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

Tgt Ion: 50 Resp: 25273
Ion Ratio Lower Upper
50 100
52 32.7 23.4 43.4

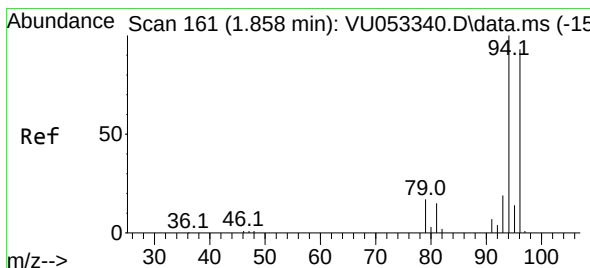
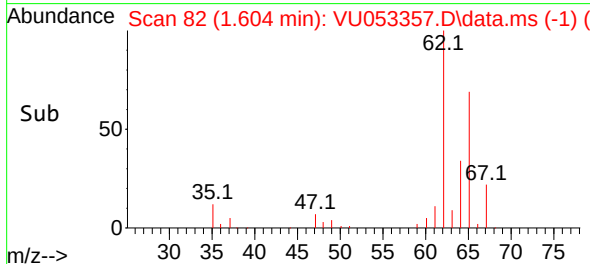
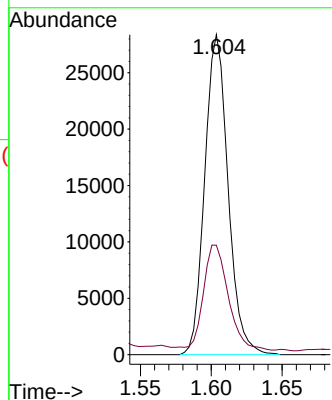
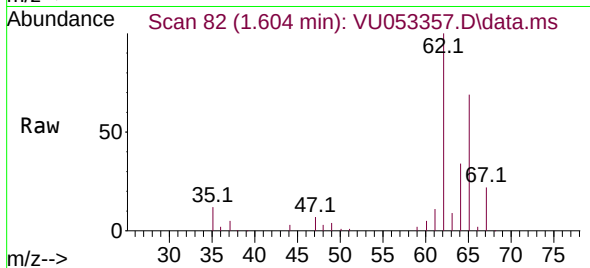




#5
 Vinyl chloride
 Concen: 36.407 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU053357.D
 Acq: 22 Mar 2023 17:10

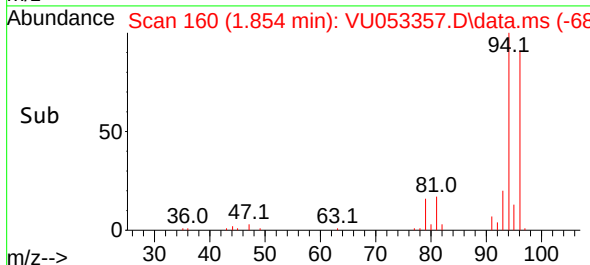
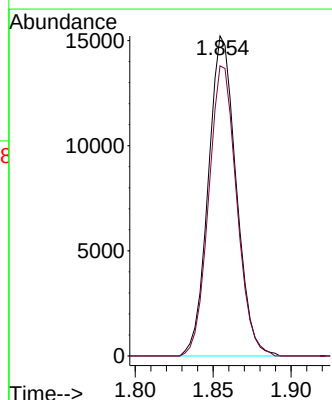
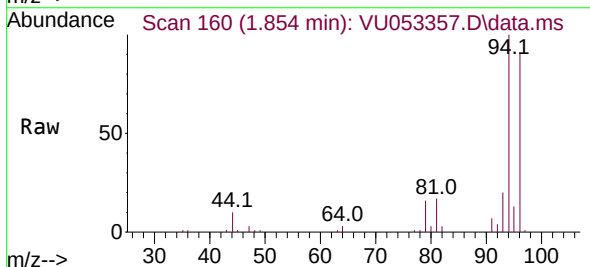
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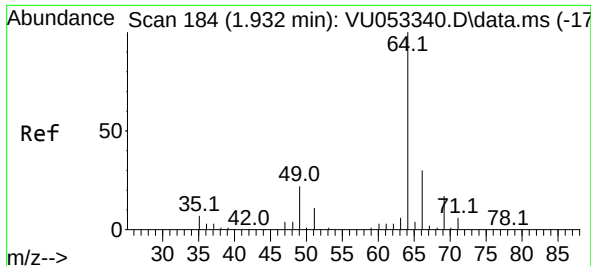
Tgt Ion: 62 Resp: 32562
 Ion Ratio Lower Upper
 62 100
 64 34.2 23.2 43.0



#6
 Bromomethane
 Concen: 35.158 ug/L
 RT: 1.854 min Scan# 160
 Delta R.T. -0.003 min
 Lab File: VU053357.D
 Acq: 22 Mar 2023 17:10

Tgt Ion: 94 Resp: 18902
 Ion Ratio Lower Upper
 94 100
 96 90.7 67.5 125.3

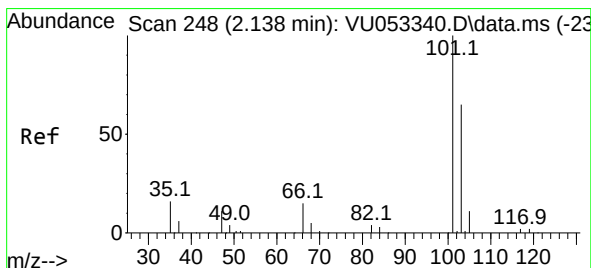
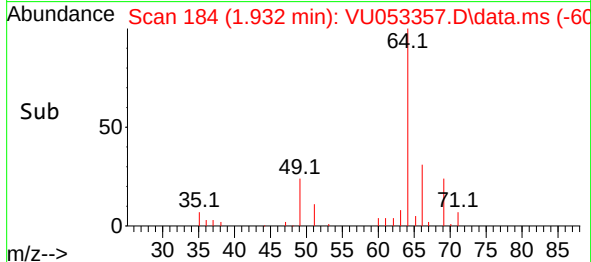
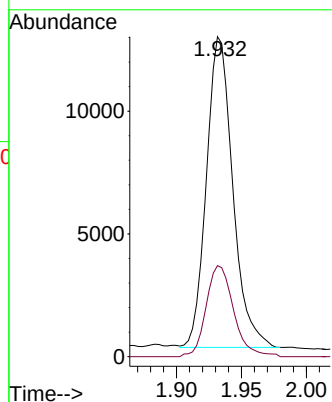
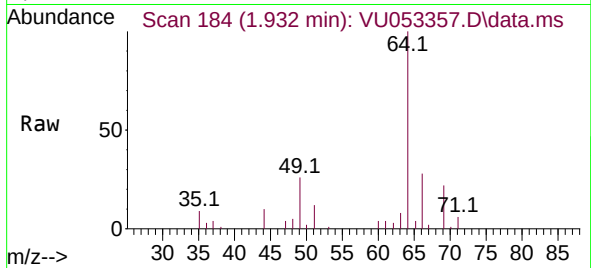




#8
Chloroethane
Concen: 33.849 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.000 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

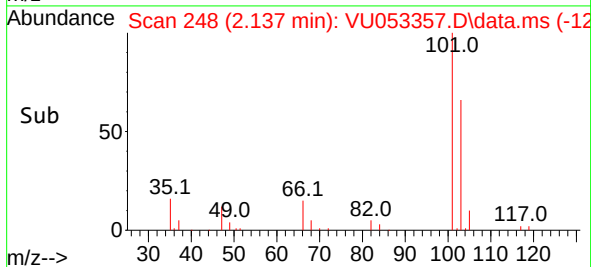
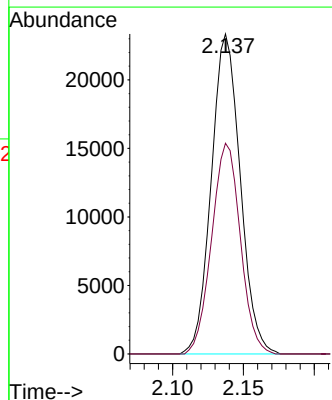
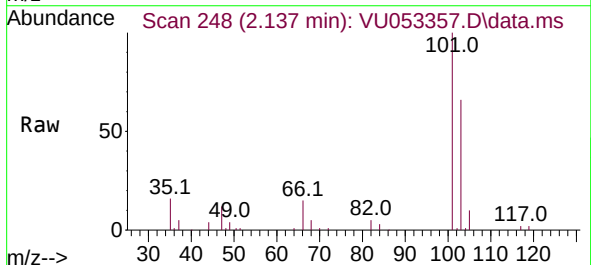
Instrument :
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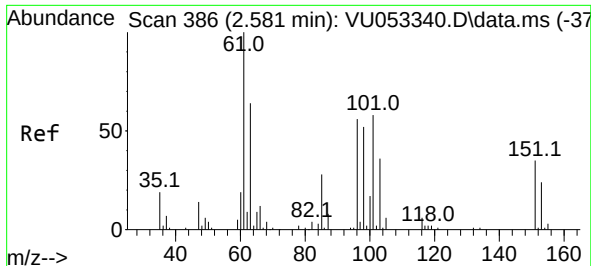
Tgt Ion: 64 Resp: 17883
Ion Ratio Lower Upper
64 100
66 28.5 22.6 42.0



#9
Trichlorofluoromethane
Concen: 29.733 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.000 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

Tgt Ion:101 Resp: 33180
Ion Ratio Lower Upper
101 100
103 65.3 52.0 78.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 27.118 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.003 min

Lab File: VU053357.D

Acq: 22 Mar 2023 17:10

Instrument :

MSVOA_U

ClientSampleId :

EYFE0MS

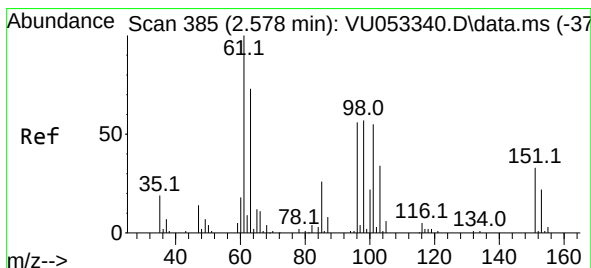
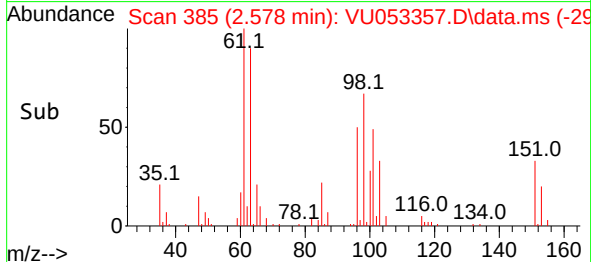
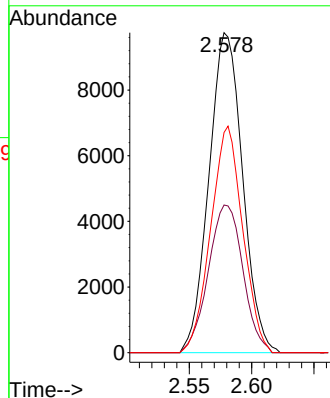
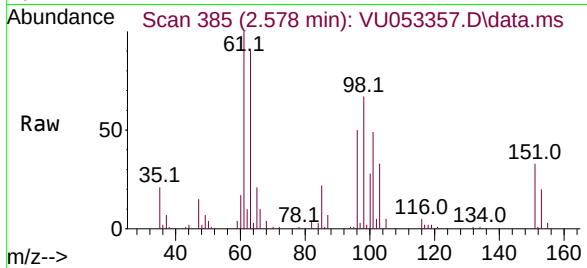
Tgt Ion:101 Resp: 18306

Ion Ratio Lower Upper

101 100

85 47.5 37.0 55.6

151 67.4 52.9 79.3



#12

1,1-Dichloroethene

Concen: 27.149 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU053357.D

Acq: 22 Mar 2023 17:10

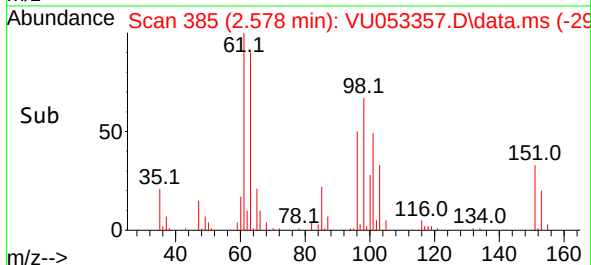
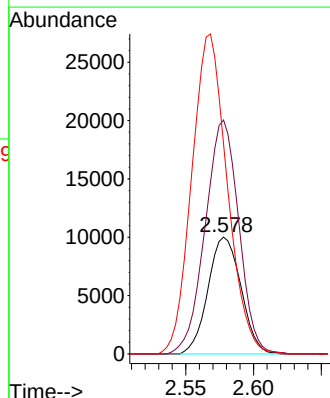
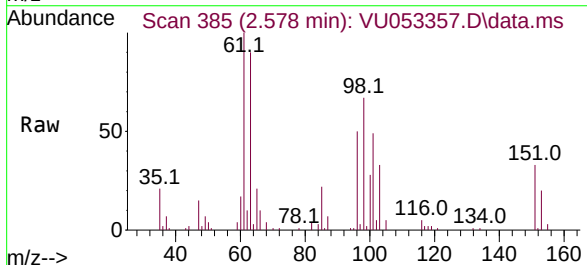
Tgt Ion: 96 Resp: 16949

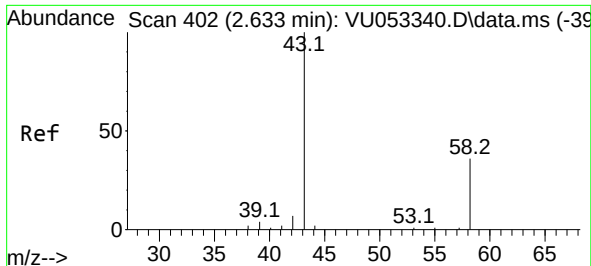
Ion Ratio Lower Upper

96 100

61 200.2 122.2 226.9

63 179.6 89.9 166.9#





#13

Acetone

Concen: 45.239 ug/L

RT: 2.629 min Scan# 401

Delta R.T. -0.003 min

Lab File: VU053357.D

Acq: 22 Mar 2023 17:10

Instrument :

MSVOA_U

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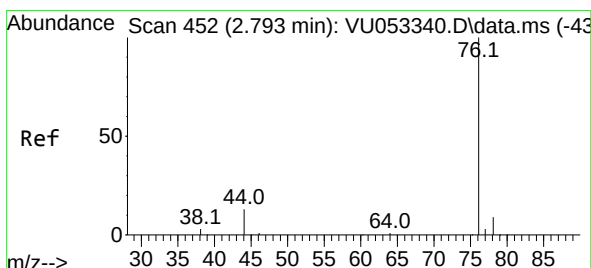
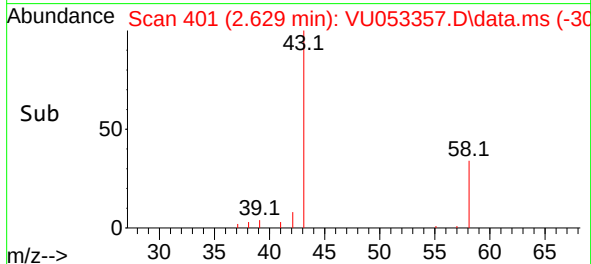
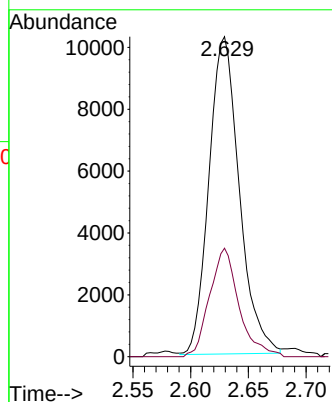
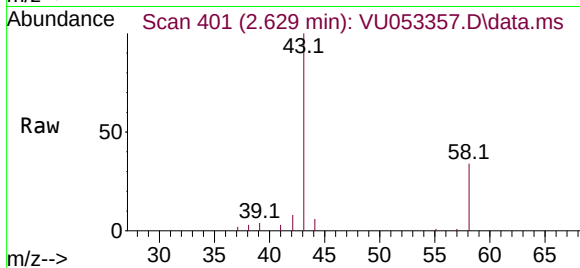
EYFE0MS

Tgt Ion: 43 Resp: 18741

Ion Ratio Lower Upper

43 100

58 33.0 0.0 75.0



#14

Carbon disulfide

Concen: 25.796 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU053357.D

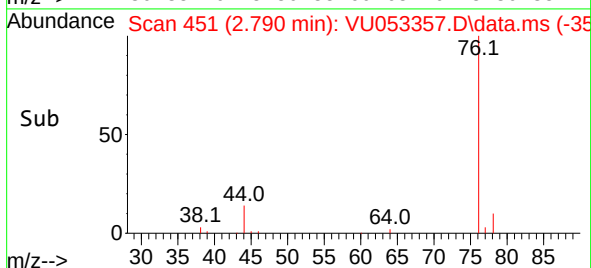
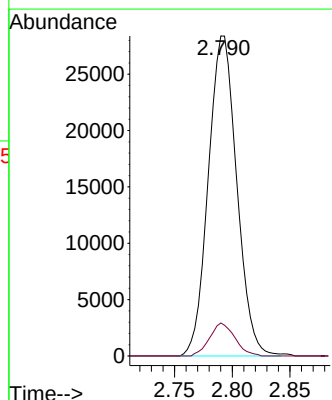
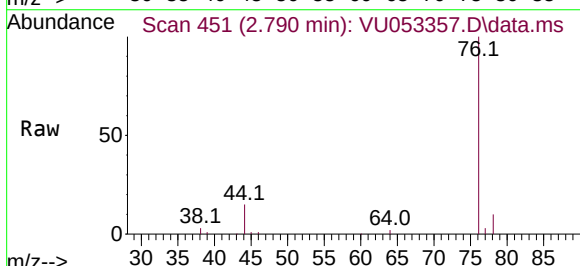
Acq: 22 Mar 2023 17:10

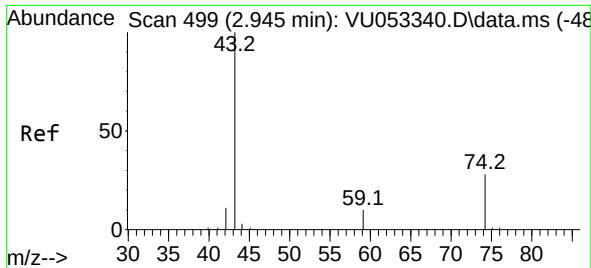
Tgt Ion: 76 Resp: 48777

Ion Ratio Lower Upper

76 100

78 10.3 7.0 10.6

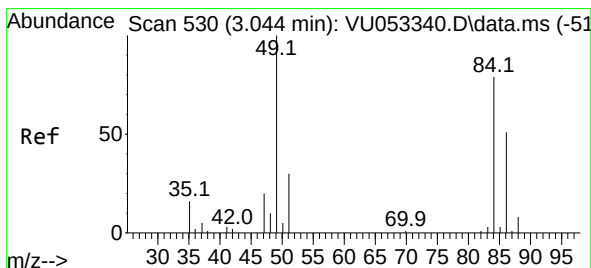
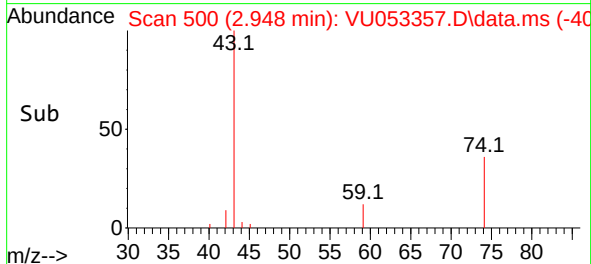
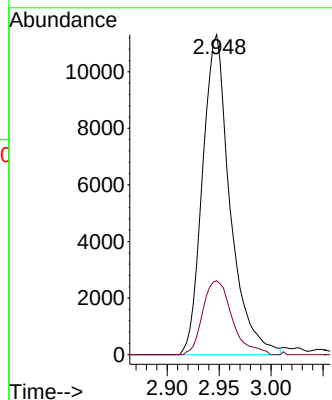
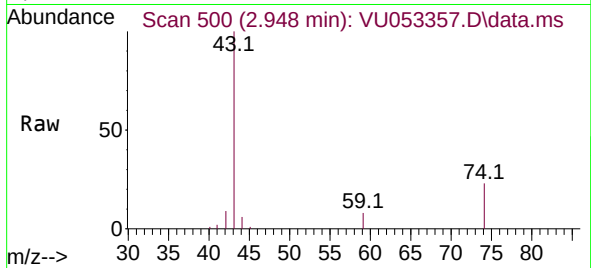




#15
Methyl Acetate
Concen: 36.770 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.003 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

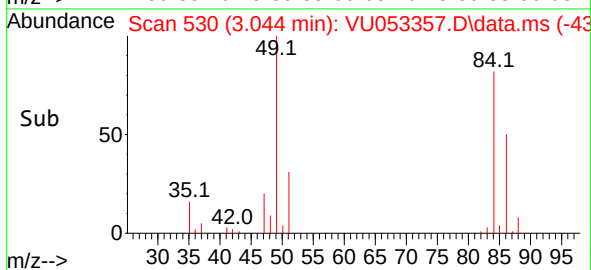
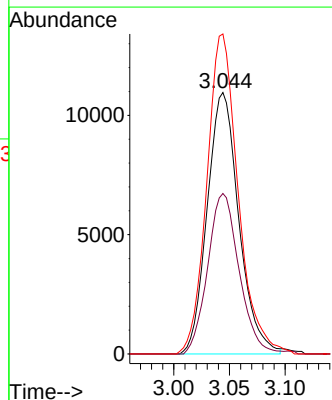
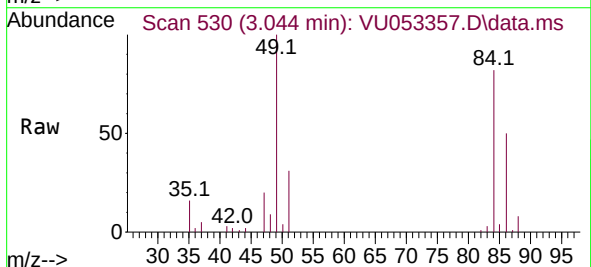
Instrument :
MSVOA_U
ClientSampleId :
EYFE0MS

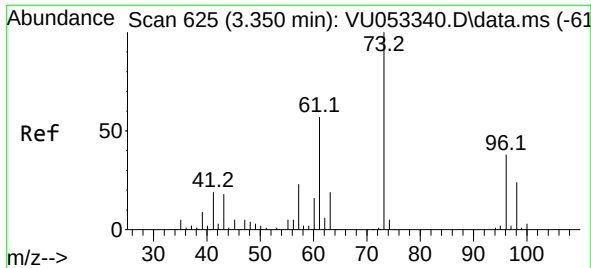
Tgt Ion: 43 Resp: 20879
Ion Ratio Lower Upper
43 100
74 24.6 21.4 32.0



#16
Methylene chloride
Concen: 28.582 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

Tgt Ion: 84 Resp: 21647
Ion Ratio Lower Upper
84 100
86 61.4 44.4 82.4
49 122.4 81.6 151.6

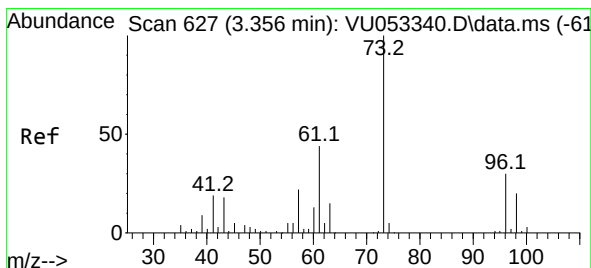
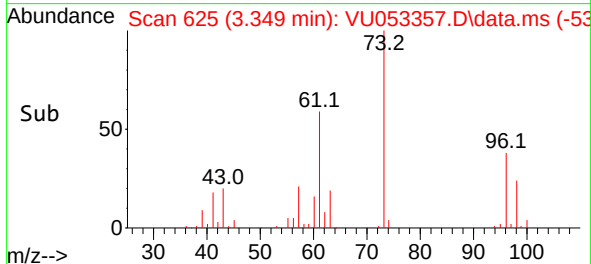
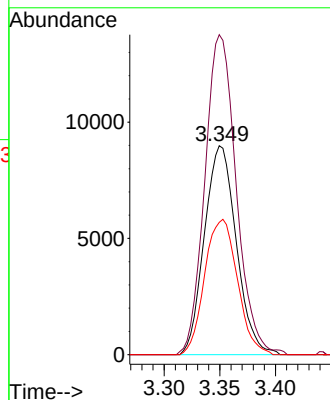
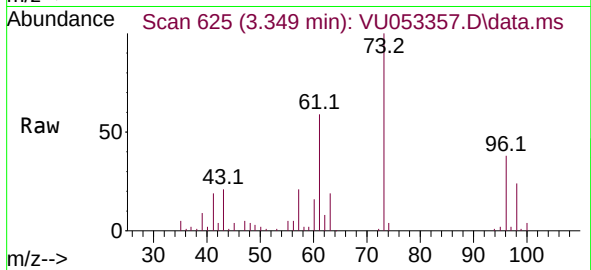




#17
trans-1,2-Dichloroethene
Concen: 28.271 ug/L
RT: 3.349 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

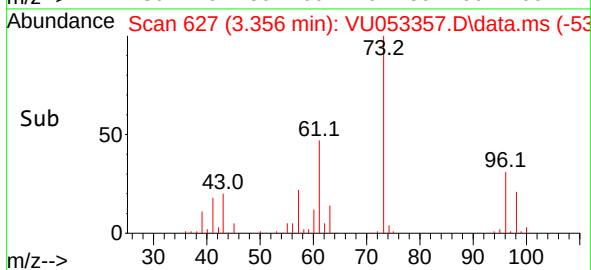
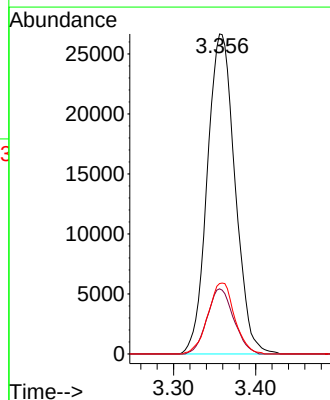
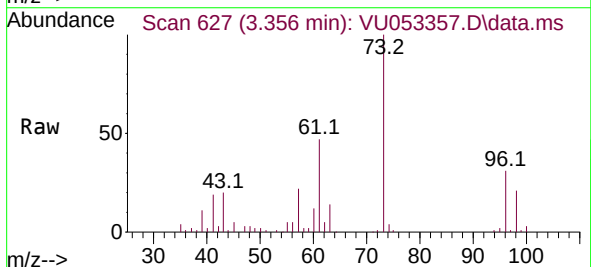
Instrument :
MSVOA_U
ClientSampleId :
EYFE0MS

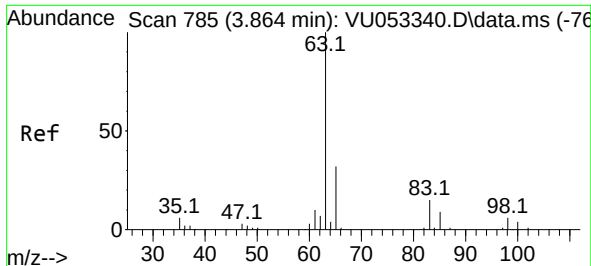
Tgt Ion: 96 Resp: 17908
Ion Ratio Lower Upper
96 100
61 153.2 99.6 185.0
98 63.3 45.5 84.5



#18
Methyl tert-butyl Ether
Concen: 29.342 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.000 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

Tgt Ion: 73 Resp: 62497
Ion Ratio Lower Upper
73 100
43 19.5 14.2 21.2
57 21.4 18.0 27.0





#19

1,1-Dichloroethane

Concen: 30.741 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.000 min

Lab File: VU053357.D

Acq: 22 Mar 2023 17:10

Instrument :

MSVOA_U

ClientSampleId :

EYFE0MS

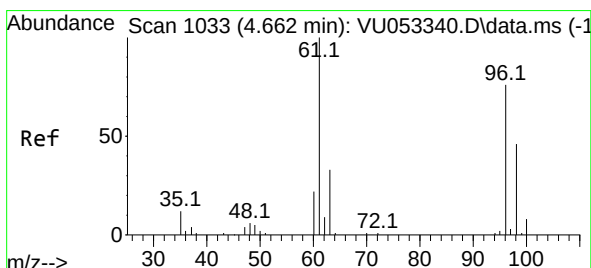
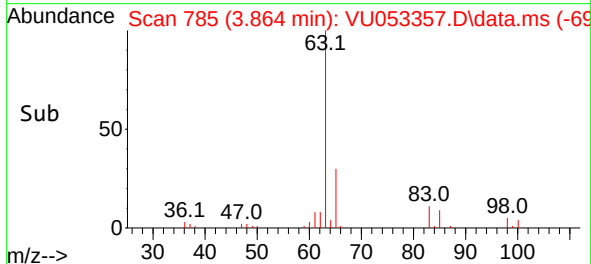
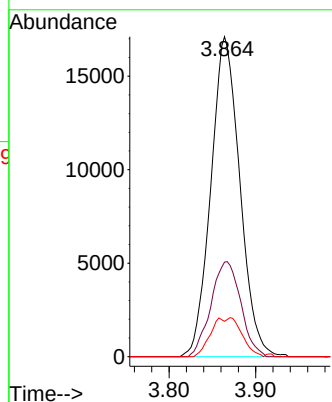
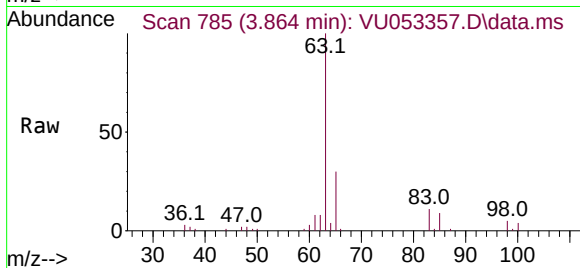
Tgt Ion: 63 Resp: 39748

Ion Ratio Lower Upper

63 100

65 29.6 22.8 42.4

83 11.1 9.4 17.6



#20

cis-1,2-Dichloroethene

Concen: 30.536 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU053357.D

Acq: 22 Mar 2023 17:10

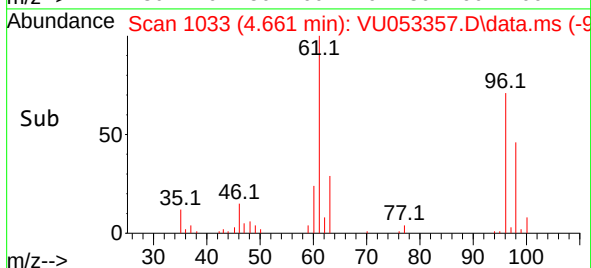
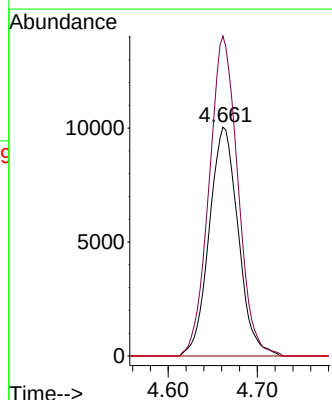
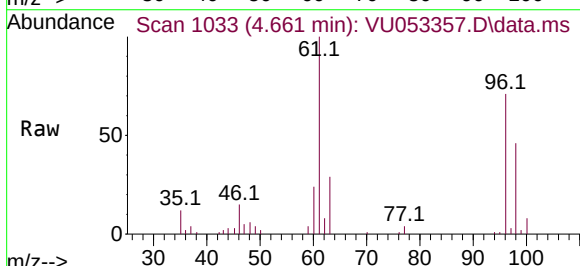
Tgt Ion: 96 Resp: 22719

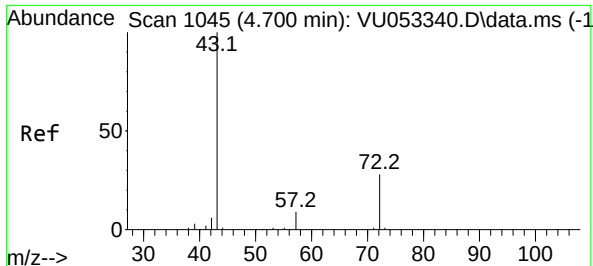
Ion Ratio Lower Upper

96 100

61 139.9 92.5 171.7

68 0.0 0.0 0.0

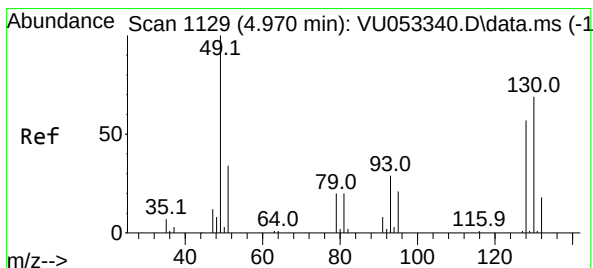
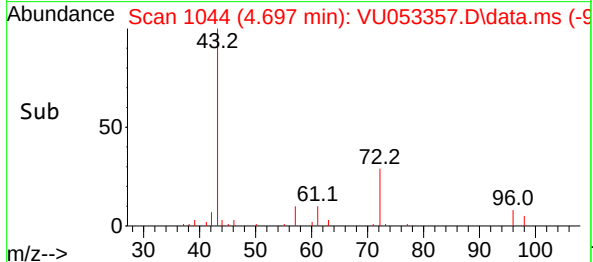
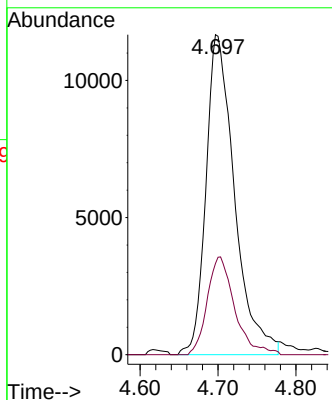
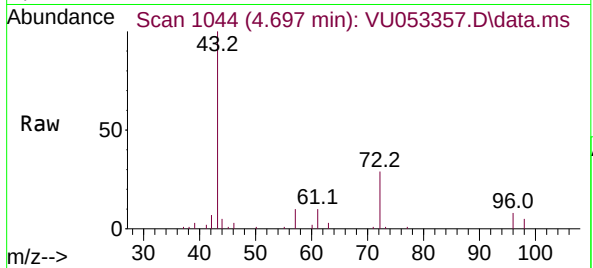




#22
2-Butanone
Concen: 62.899 ug/L
RT: 4.697 min Scan# 1044
Delta R.T. -0.003 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

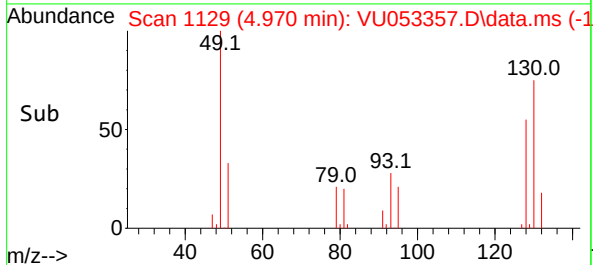
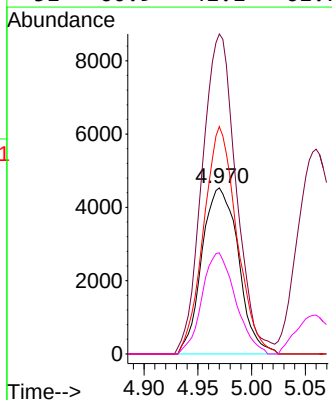
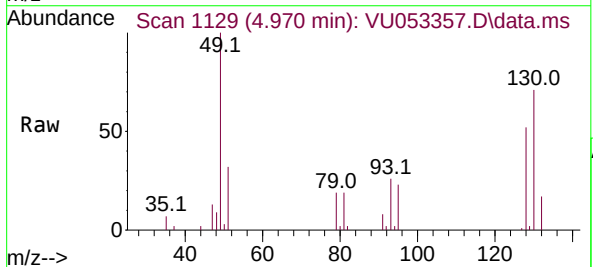
Instrument :
MSVOA_U
ClientSampleId :
EYFE0MS

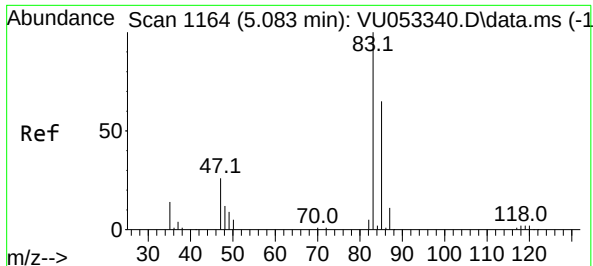
Tgt Ion: 43 Resp: 29686
Ion Ratio Lower Upper
43 100
72 28.6 16.0 47.9



#23
Bromochloromethane
Concen: 30.176 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

Tgt Ion: 128 Resp: 10705
Ion Ratio Lower Upper
128 100
49 192.6 109.9 204.1
130 136.9 87.2 161.9
51 60.9 41.1 61.7





#25

Chloroform

Concen: 30.736 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053357.D

Acq: 22 Mar 2023 17:10

Instrument :

MSVOA_U

ClientSampleId :

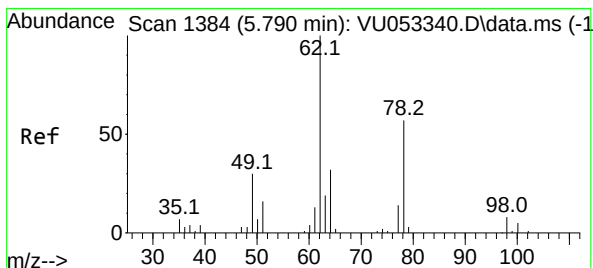
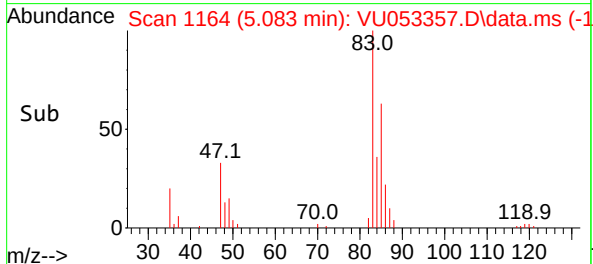
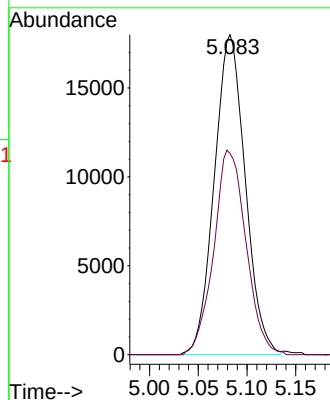
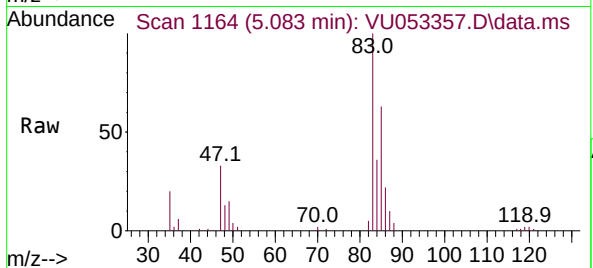
EYFE0MS

Tgt Ion: 83 Resp: 39769

Ion Ratio Lower Upper

83 100

85 62.9 44.9 83.3



#27

1,2-Dichloroethane

Concen: 32.122 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU053357.D

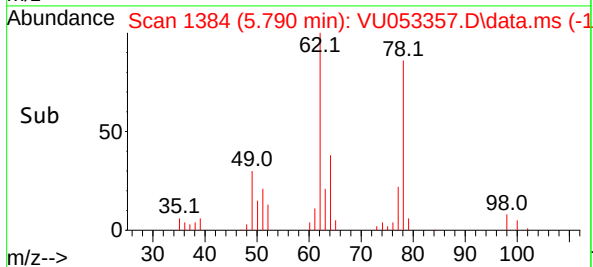
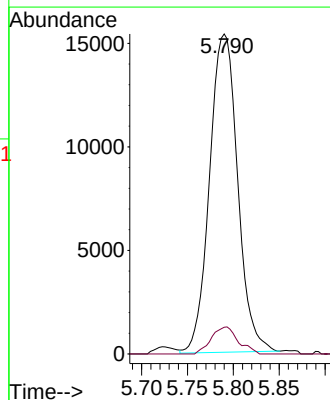
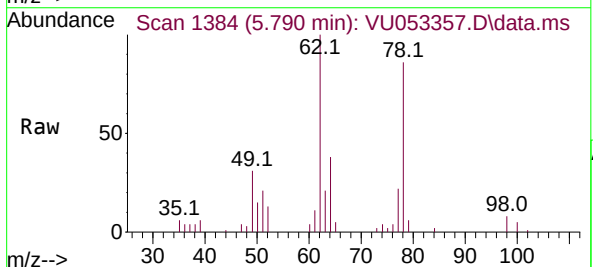
Acq: 22 Mar 2023 17:10

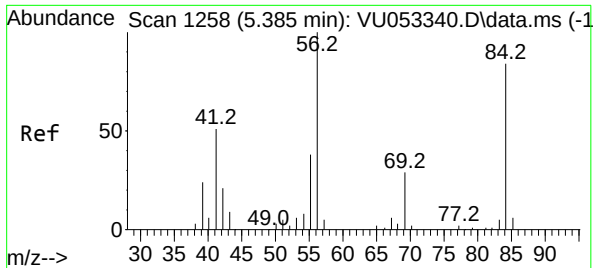
Tgt Ion: 62 Resp: 32809

Ion Ratio Lower Upper

62 100

98 8.4 7.0 10.6

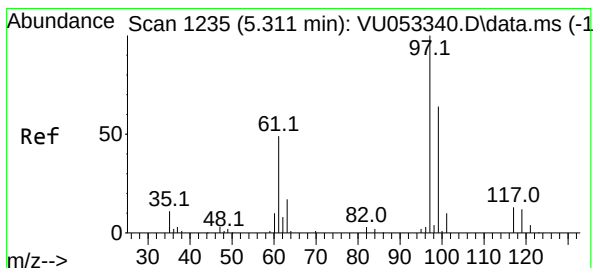
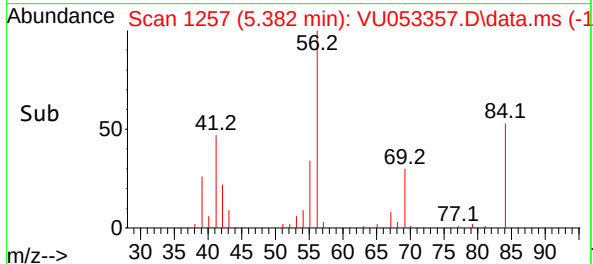
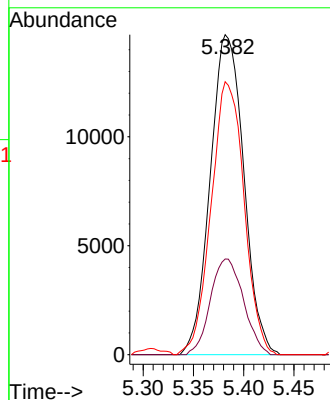
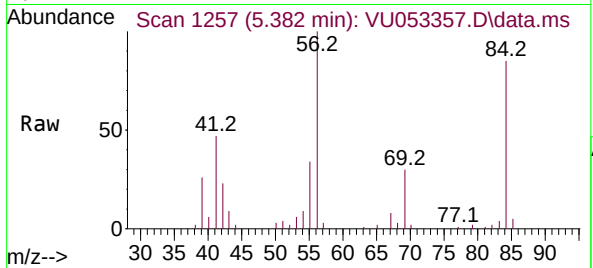




#29
Cyclohexane
Concen: 27.977 ug/L
RT: 5.382 min Scan# 1257
Delta R.T. -0.003 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

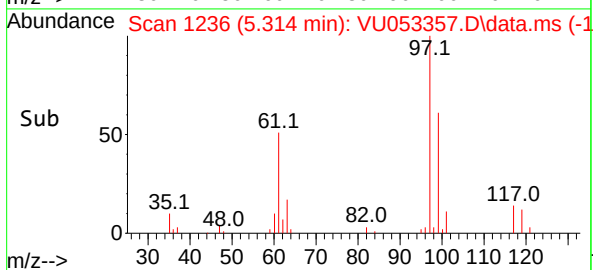
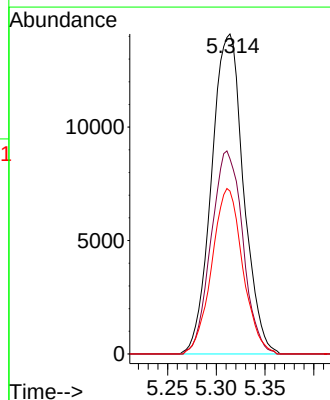
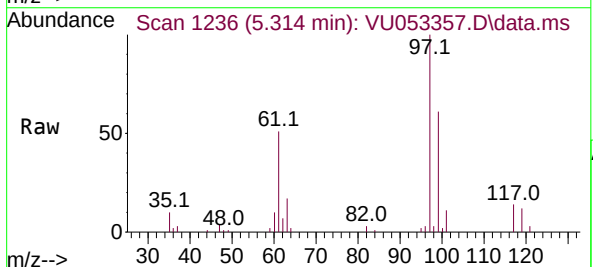
Instrument :
MSVOA_U
ClientSampleId :
EYFE0MS

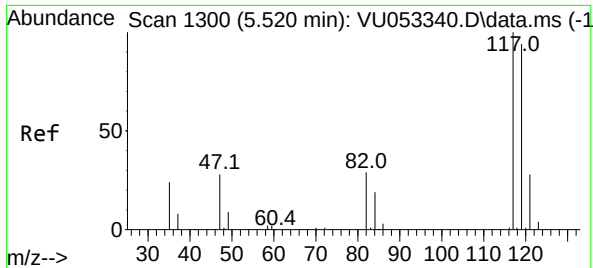
Tgt Ion:	56	Resp:	34036
Ion	Ratio	Lower	Upper
56	100		
69	29.4	25.4	38.0
84	83.7	69.0	103.6



#30
1,1,1-Trichloroethane
Concen: 28.954 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. 0.003 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

Tgt Ion:	97	Resp:	32222
Ion	Ratio	Lower	Upper
97	100		
99	62.7	50.6	76.0
61	50.0	36.0	54.0

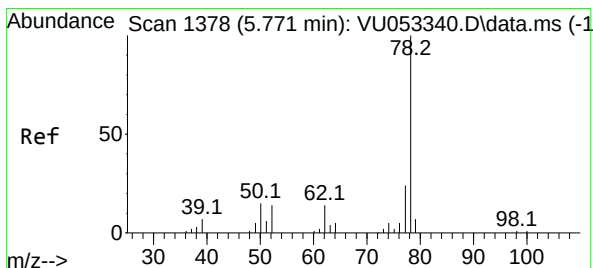
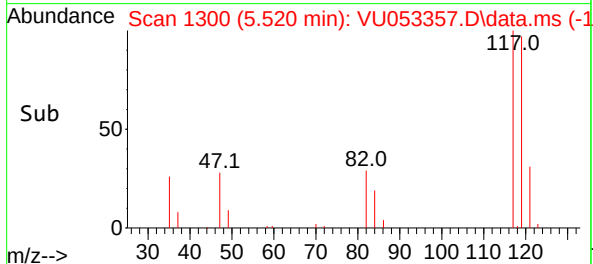
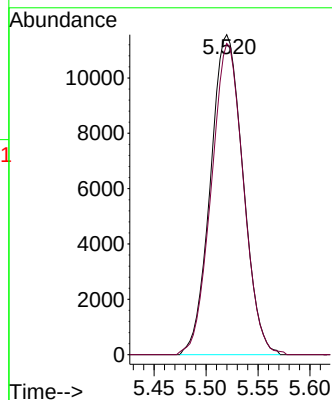
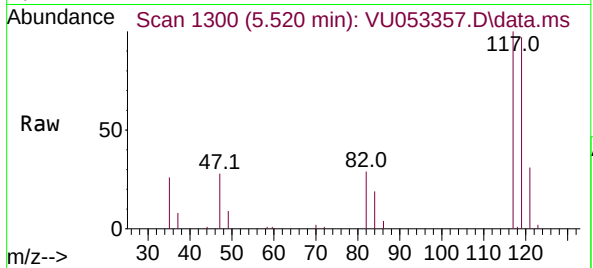




#31
Carbon tetrachloride
Concen: 27.633 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

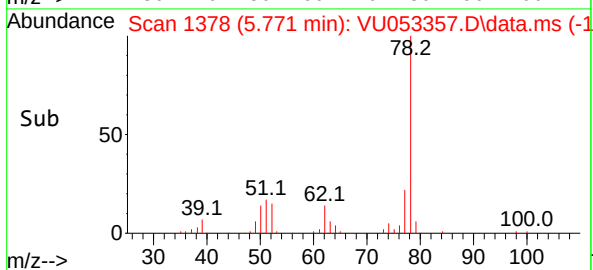
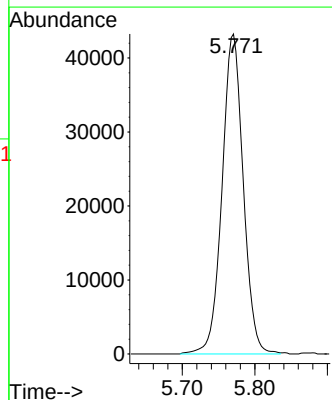
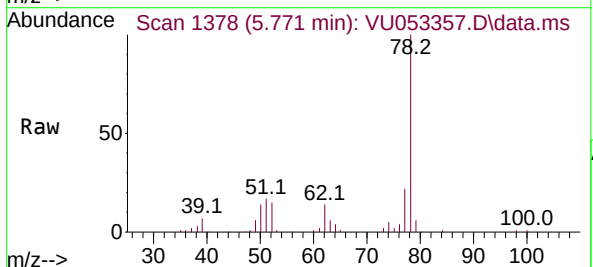
Instrument :
MSVOA_U
ClientSampleId :
EYFE0MS

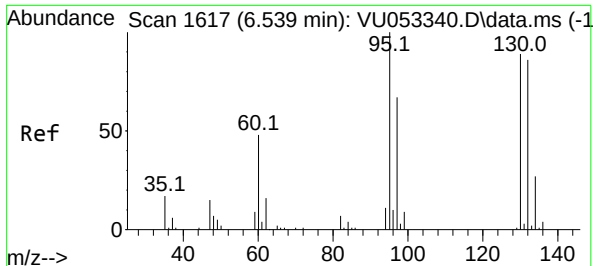
Tgt Ion:117 Resp: 25194
Ion Ratio Lower Upper
117 100
119 95.8 76.2 114.2



#33
Benzene
Concen: 30.998 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

Tgt Ion: 78 Resp: 87742

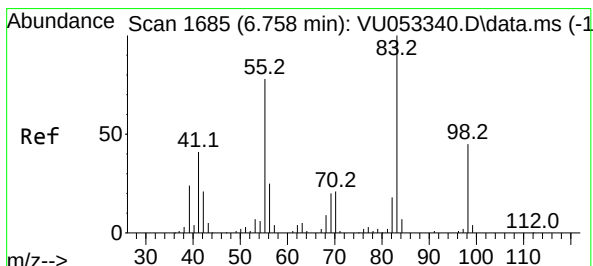
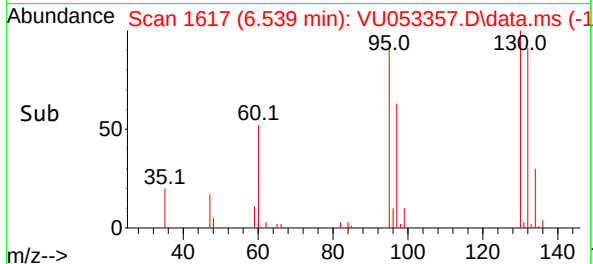
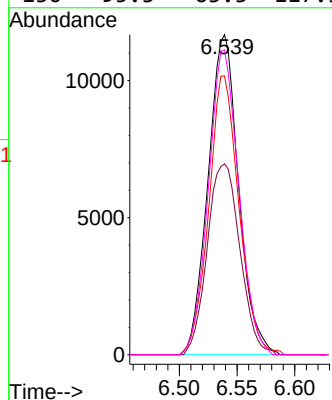
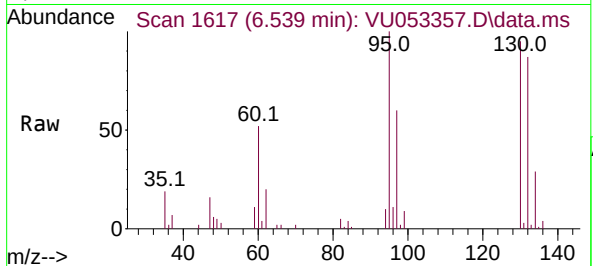




#34
Trichloroethene
Concen: 29.104 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

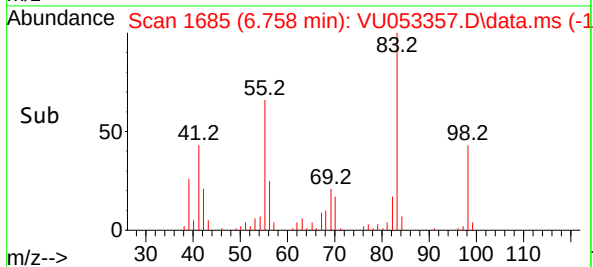
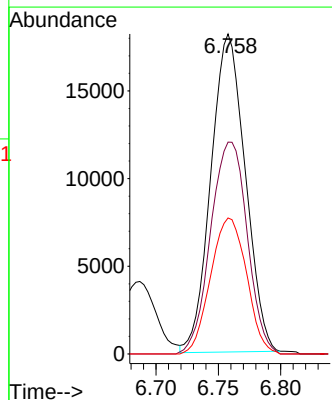
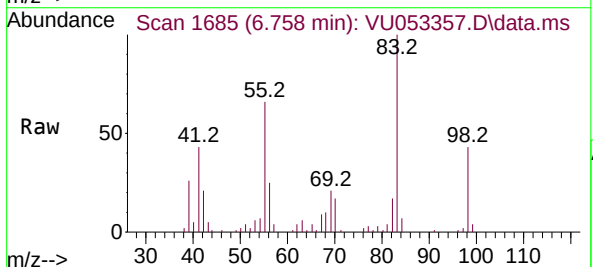
Instrument :
MSVOA_U
ClientSampleId :
EYFE0MS

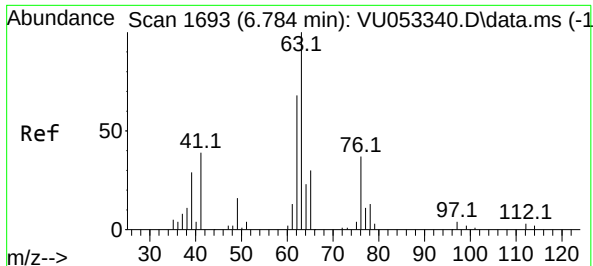
Tgt Ion: 95 Resp: 21480
Ion Ratio Lower Upper
95 100
97 59.7 43.8 81.3
132 87.1 61.5 114.3
130 95.3 63.3 117.5



#35
Methylcyclohexane
Concen: 26.901 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

Tgt Ion: 83 Resp: 34802
Ion Ratio Lower Upper
83 100
55 71.0 58.2 87.4
98 44.7 35.4 53.2





#37

1,2-Dichloropropane

Concen: 31.038 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053357.D

Acq: 22 Mar 2023 17:10

Instrument :

MSVOA_U

ClientSampleId :

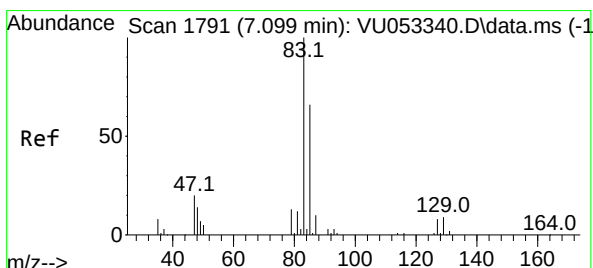
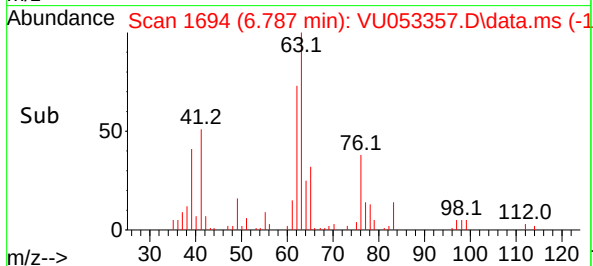
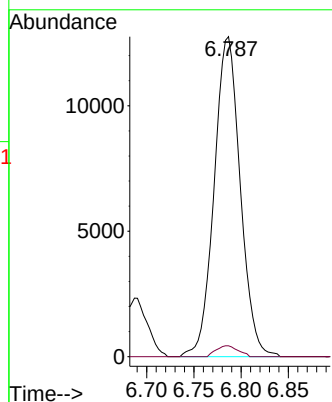
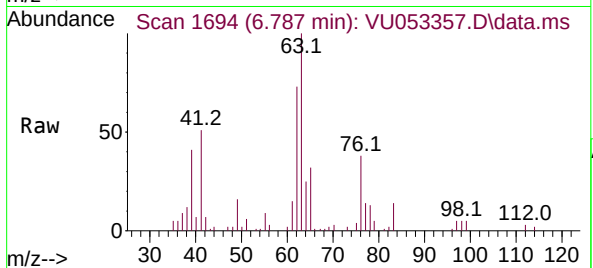
EYFE0MS

Tgt Ion: 63 Resp: 24511

Ion Ratio Lower Upper

63 100

112 2.9 2.6 3.8



#38

Bromodichloromethane

Concen: 28.290 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.003 min

Lab File: VU053357.D

Acq: 22 Mar 2023 17:10

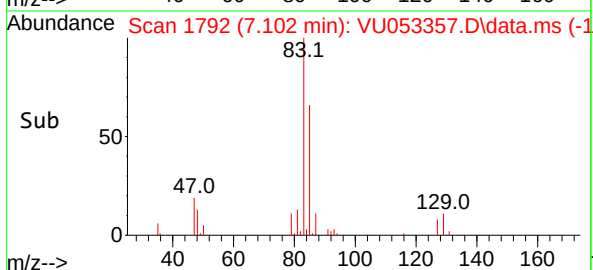
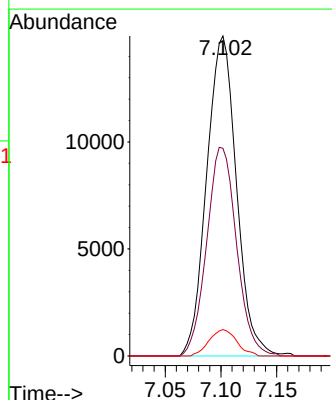
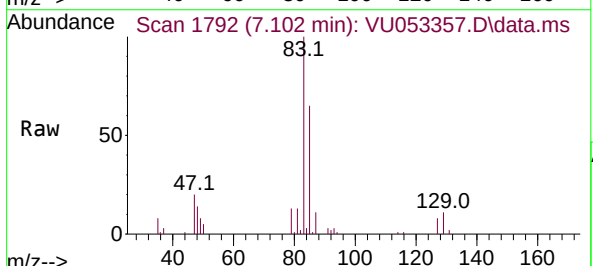
Tgt Ion: 83 Resp: 27803

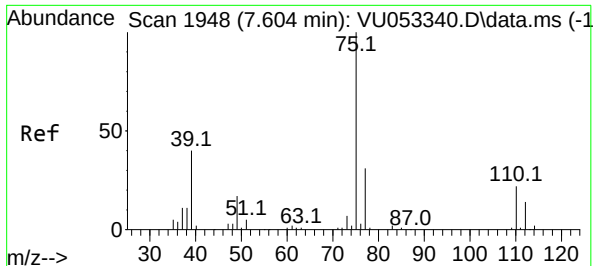
Ion Ratio Lower Upper

83 100

85 64.9 45.4 84.2

127 8.2 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 29.229 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU053357.D

Acq: 22 Mar 2023 17:10

Instrument :

MSVOA_U

ClientSampleId :

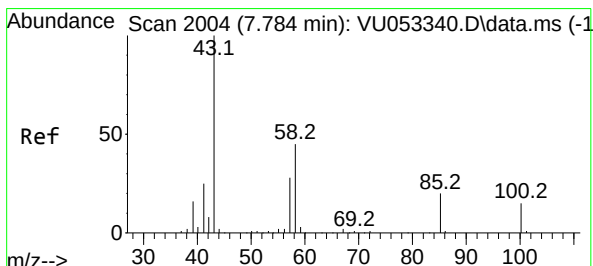
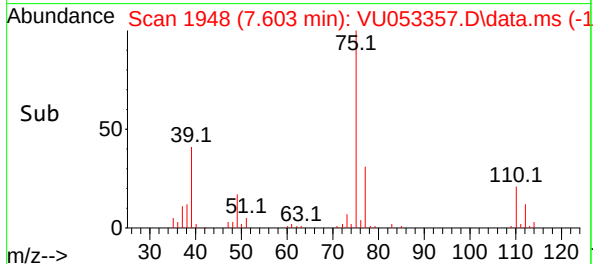
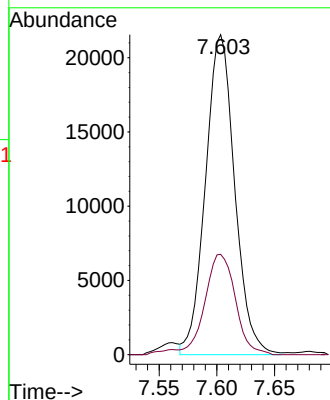
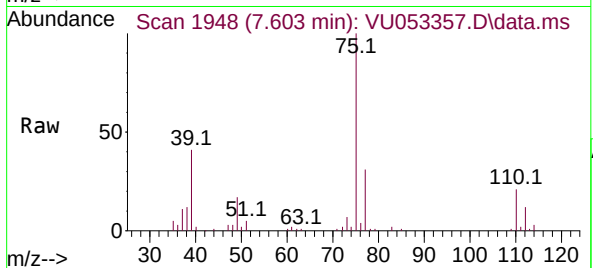
EYFE0MS

Tgt Ion: 75 Resp: 37923

Ion Ratio Lower Upper

75 100

77 31.4 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 74.399 ug/L

RT: 7.783 min Scan# 2004

Delta R.T. -0.000 min

Lab File: VU053357.D

Acq: 22 Mar 2023 17:10

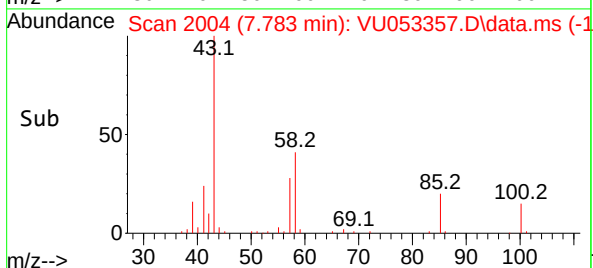
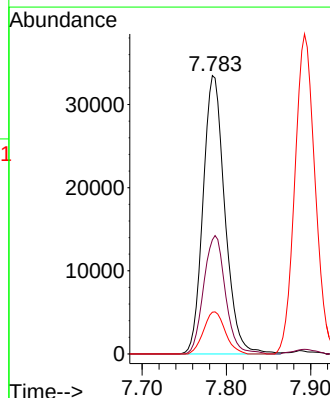
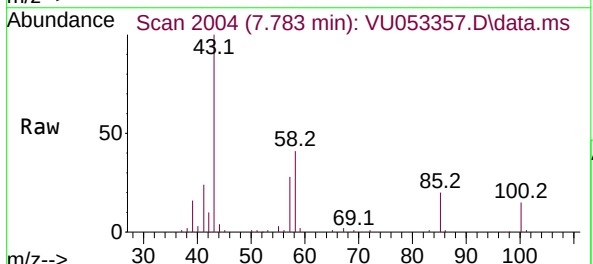
Tgt Ion: 43 Resp: 60390

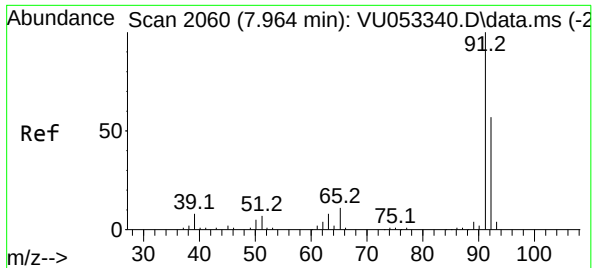
Ion Ratio Lower Upper

43 100

58 42.4 35.8 53.6

100 15.0 13.0 19.6





#42

Toluene

Concen: 29.917 ug/L

RT: 7.967 min Scan# 2060

Delta R.T. 0.003 min

Lab File: VU053357.D

Acq: 22 Mar 2023 17:10

Instrument :

MSVOA_U

ClientSampleId :

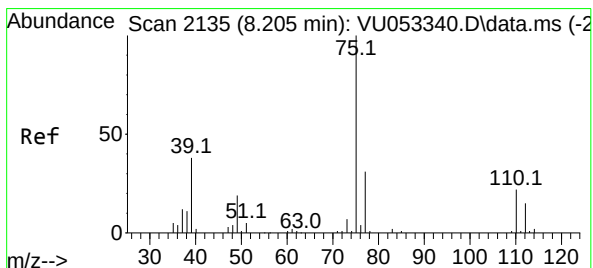
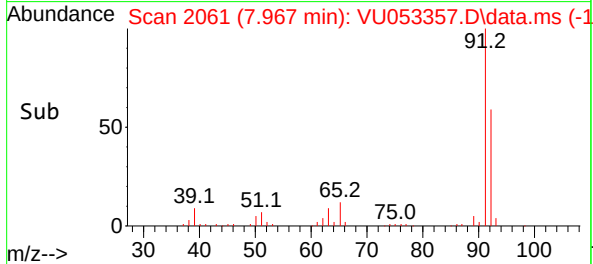
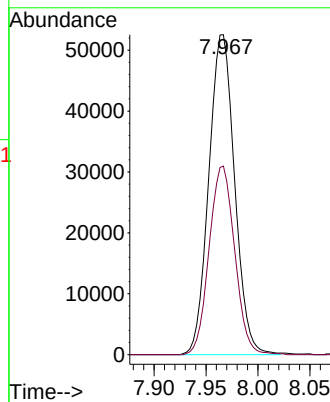
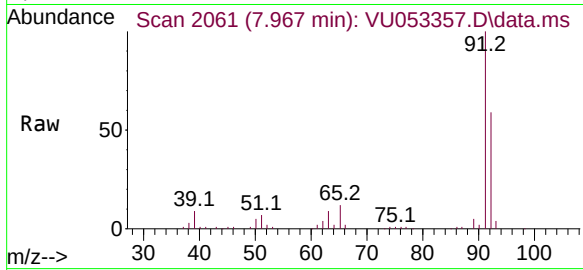
EYFE0MS

Tgt Ion: 91 Resp: 91041

Ion Ratio Lower Upper

91 100

92 59.0 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 30.818 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU053357.D

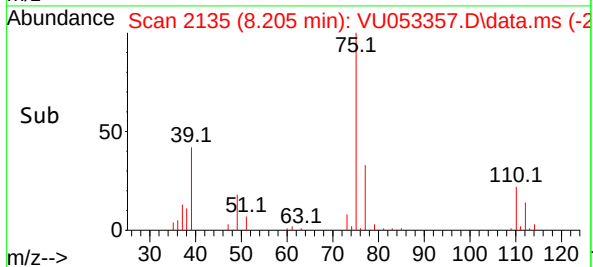
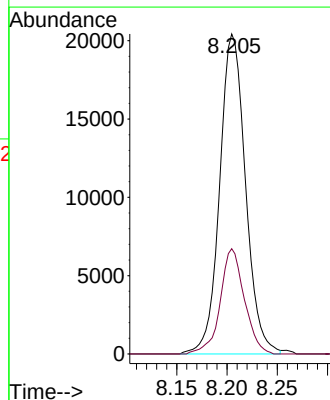
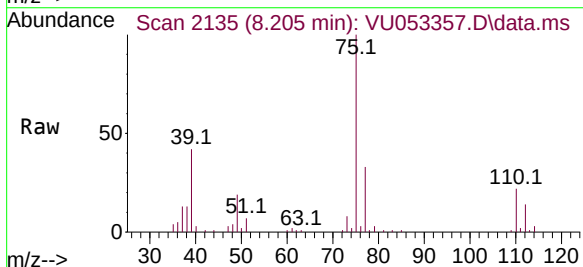
Acq: 22 Mar 2023 17:10

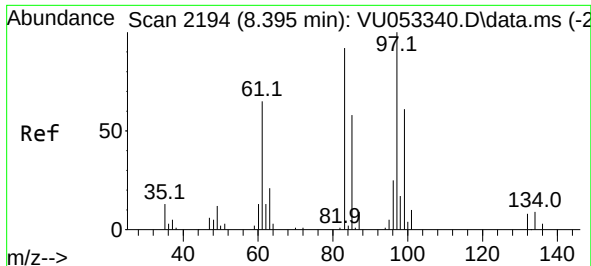
Tgt Ion: 75 Resp: 36551

Ion Ratio Lower Upper

75 100

77 32.9 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 31.340 ug/L

RT: 8.394 min Scan# 2194

Delta R.T. -0.000 min

Lab File: VU053357.D

Acq: 22 Mar 2023 17:10

Instrument :

MSVOA_U

ClientSampleId :

EYFE0MS

Tgt Ion: 97 Resp: 22536

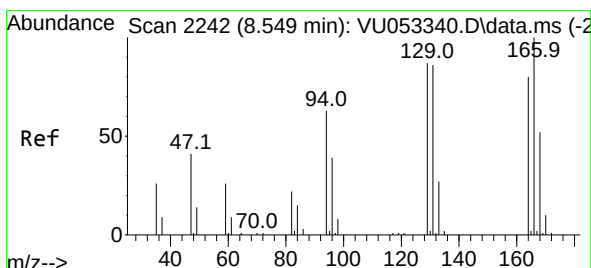
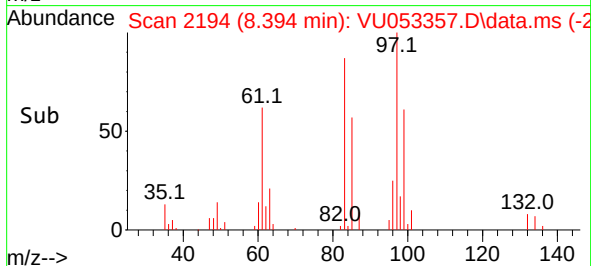
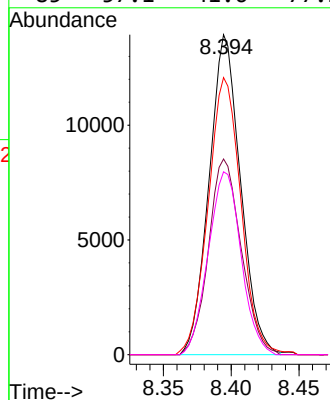
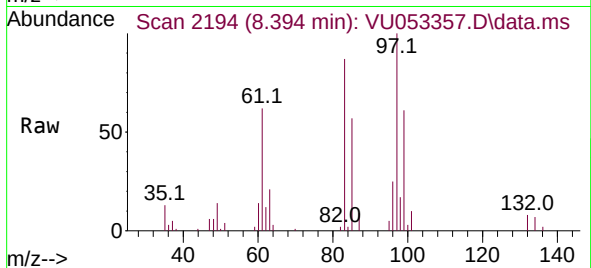
Ion Ratio Lower Upper

97 100

99 61.2 44.4 82.4

83 86.6 63.8 118.6

85 57.1 41.6 77.2



#46

Tetrachloroethene

Concen: 30.171 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.000 min

Lab File: VU053357.D

Acq: 22 Mar 2023 17:10

Tgt Ion:164 Resp: 14487

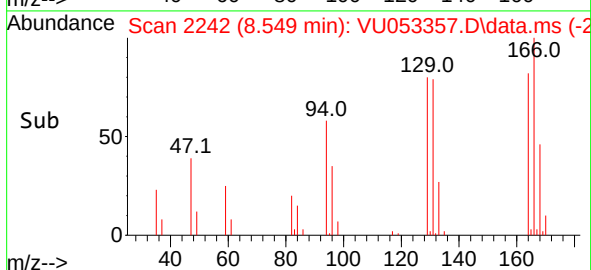
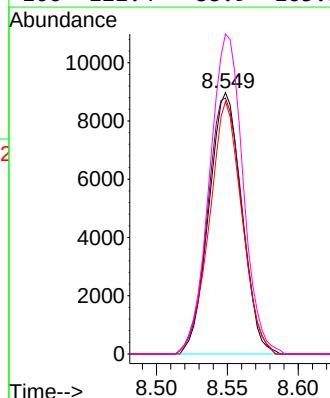
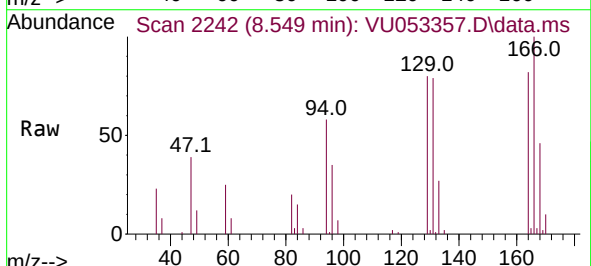
Ion Ratio Lower Upper

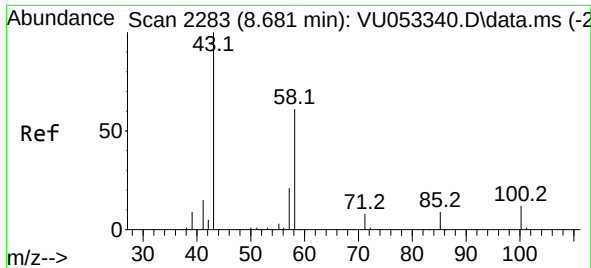
164 100

129 97.9 73.6 136.8

131 96.6 70.3 130.7

166 122.4 88.9 165.1

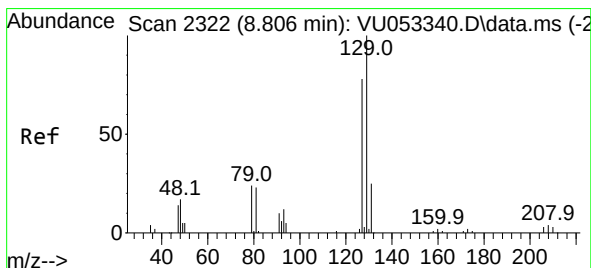
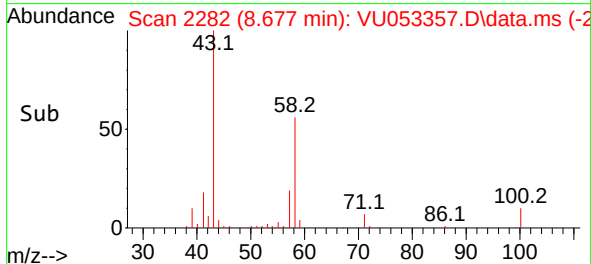
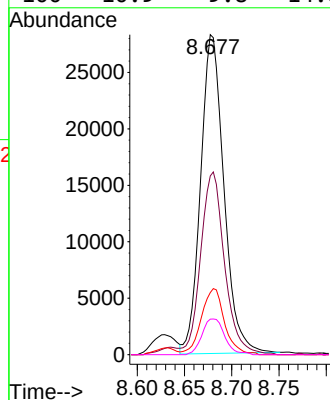
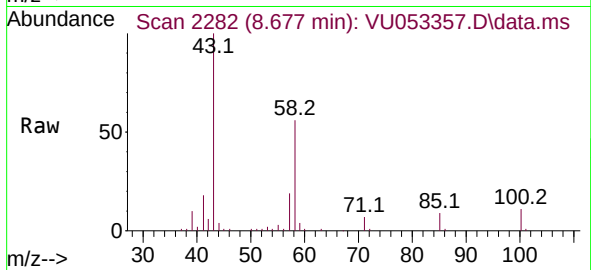




#48
2-Hexanone
Concen: 71.171 ug/L
RT: 8.677 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

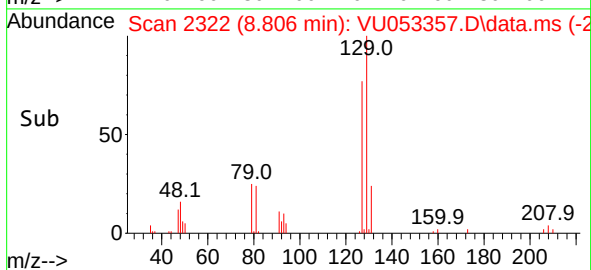
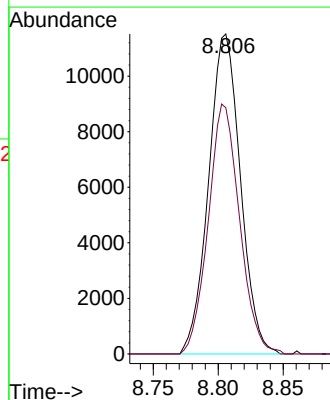
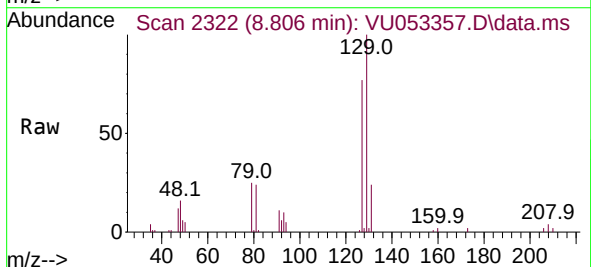
Instrument :
MSVOA_U
ClientSampleId :
EYFE0MS

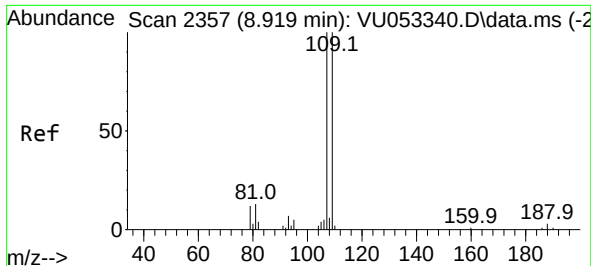
Tgt Ion:	43	Resp:	48376
Ion	Ratio	Lower	Upper
43	100		
58	57.7	49.4	74.0
57	19.5	16.9	25.3
100	10.9	9.8	14.8



#49
Dibromochloromethane
Concen: 26.686 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

Tgt Ion:	129	Resp:	19630
Ion	Ratio	Lower	Upper
129	100		
127	76.9	53.1	98.5

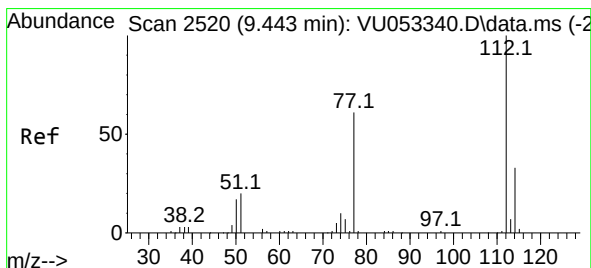
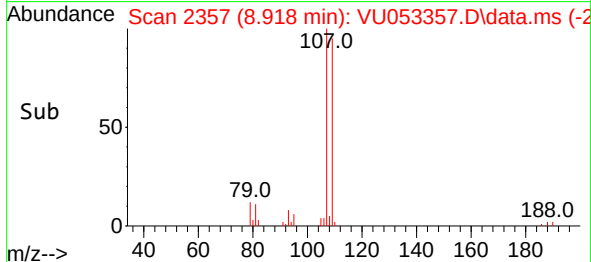
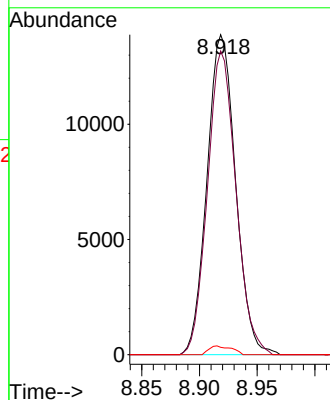
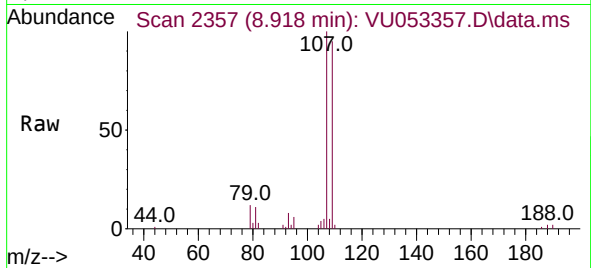




#50
1,2-Dibromoethane
Concen: 31.264 ug/L
RT: 8.918 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

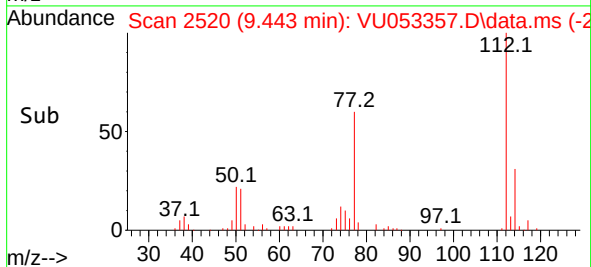
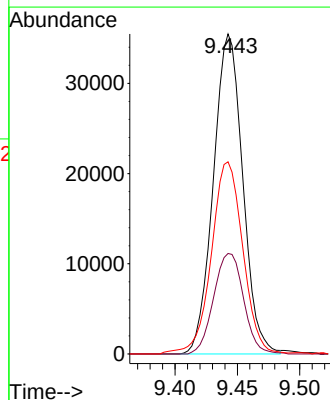
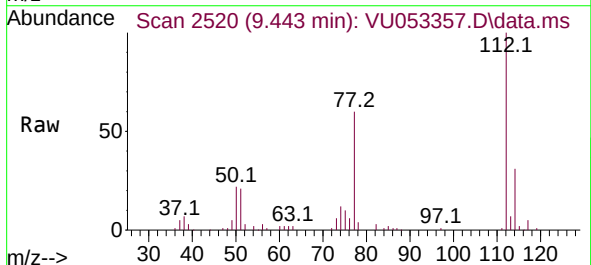
Instrument :
MSVOA_U
ClientSampleId :
EYFE0MS

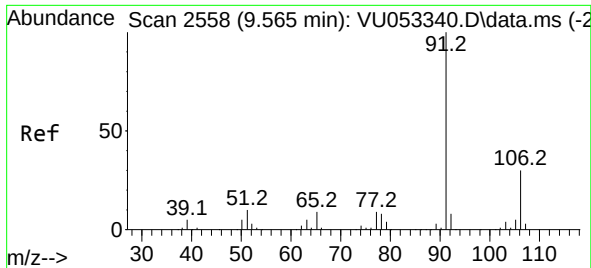
Tgt Ion:	107	Resp:	23955
Ion	Ratio	Lower	Upper
107	100		
109	94.9	64.6	120.0
188	2.3	2.2	3.4



#51
Chlorobenzene
Concen: 30.703 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

Tgt Ion:	112	Resp:	58232
Ion	Ratio	Lower	Upper
112	100		
114	31.4	21.8	40.6
77	60.1	48.8	73.2

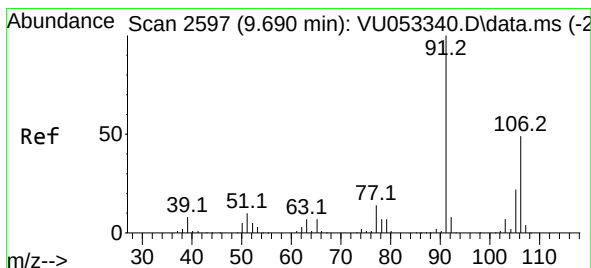
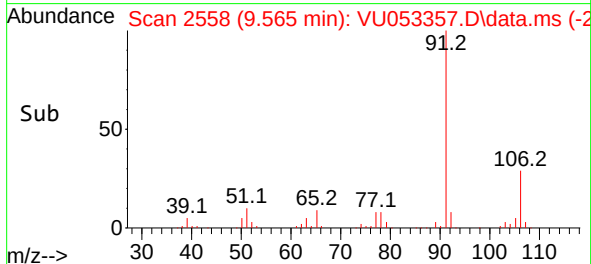
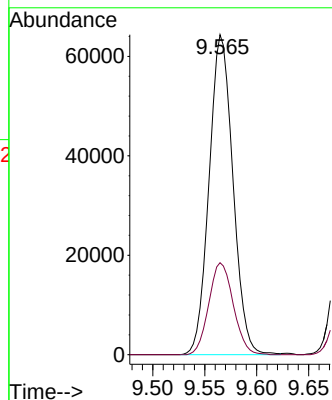
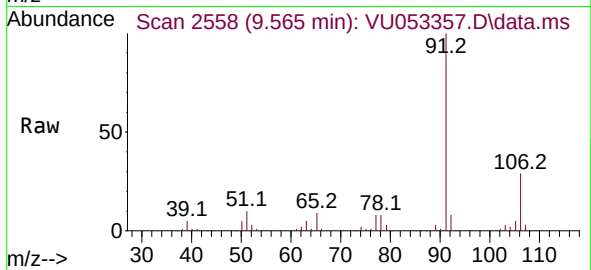




#52
Ethylbenzene
Concen: 29.749 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

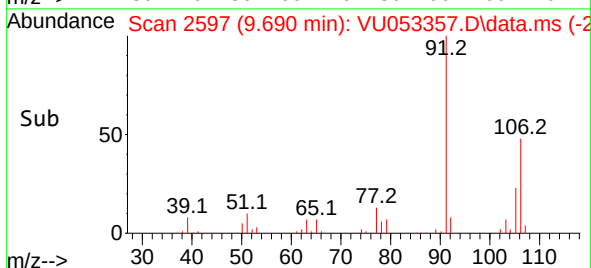
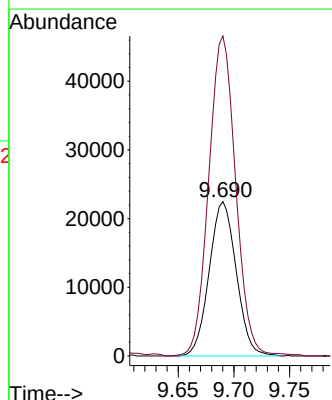
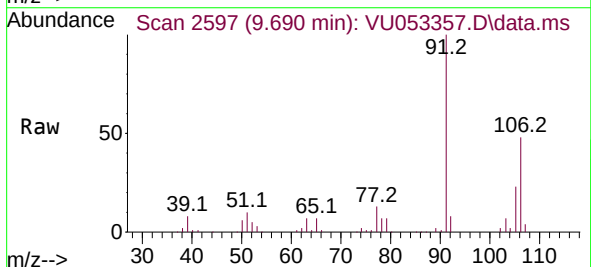
Instrument :
MSVOA_U
ClientSampleId :
EYFE0MS

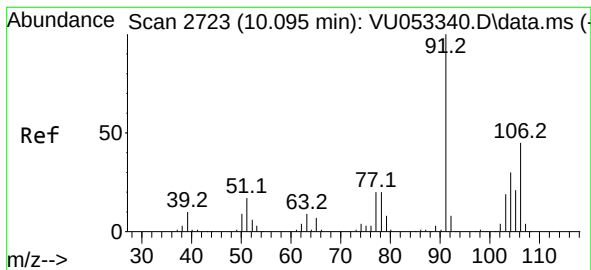
Tgt Ion: 91 Resp: 102660
Ion Ratio Lower Upper
91 100
106 28.8 21.6 40.0



#53
m,p-Xylene
Concen: 29.459 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

Tgt Ion:106 Resp: 37943
Ion Ratio Lower Upper
106 100
91 207.1 145.3 269.8





#54

o-Xylene

Concen: 28.608 ug/L

RT: 10.095 min Scan# 2723

Delta R.T. -0.000 min

Lab File: VU053357.D

Acq: 22 Mar 2023 17:10

Instrument :

MSVOA_U

ClientSampleId :

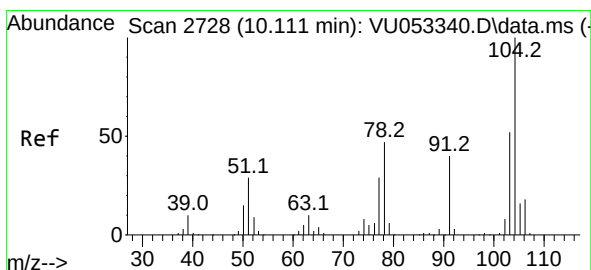
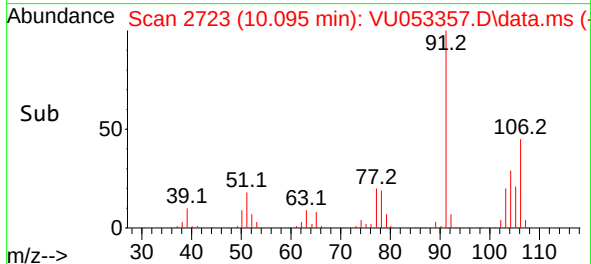
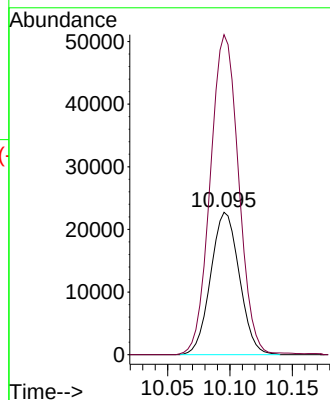
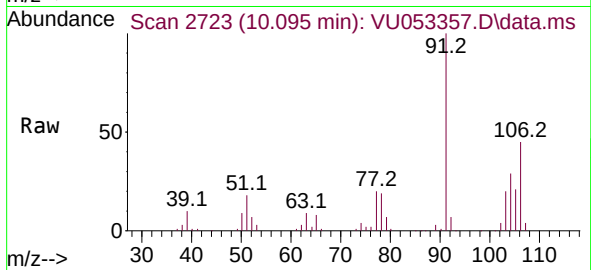
EYFE0MS

Tgt Ion:106 Resp: 36443

Ion Ratio Lower Upper

106 100

91 224.7 154.9 287.7



#55

Styrene

Concen: 29.343 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. -0.003 min

Lab File: VU053357.D

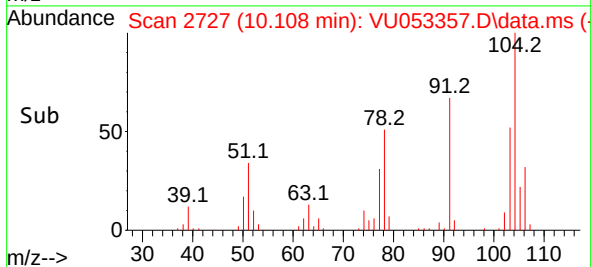
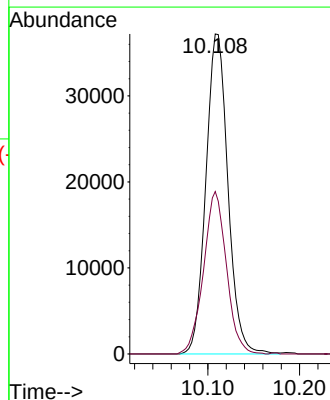
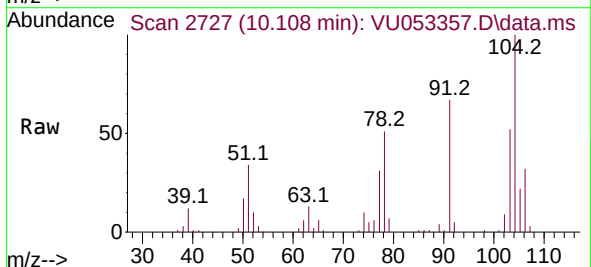
Acq: 22 Mar 2023 17:10

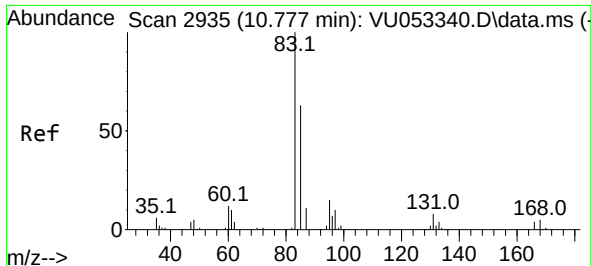
Tgt Ion:104 Resp: 62299

Ion Ratio Lower Upper

104 100

78 50.7 32.9 61.1





#57

1,1,2,2-Tetrachloroethane

Concen: 33.996 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU053357.D

Acq: 22 Mar 2023 17:10

Instrument :

MSVOA_U

ClientSampleId :

EYFE0MS

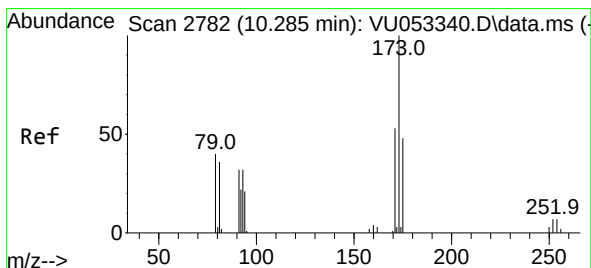
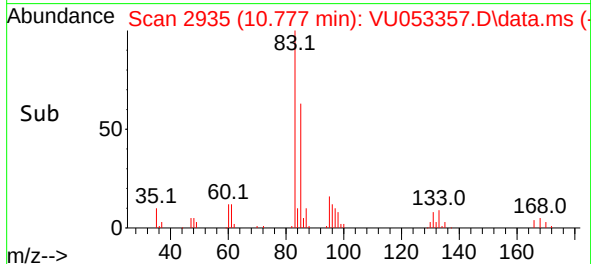
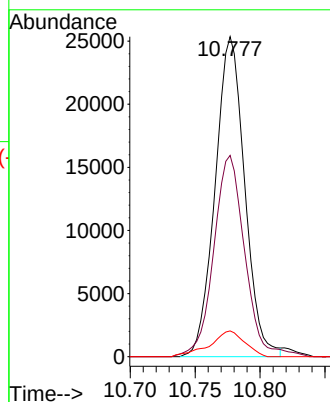
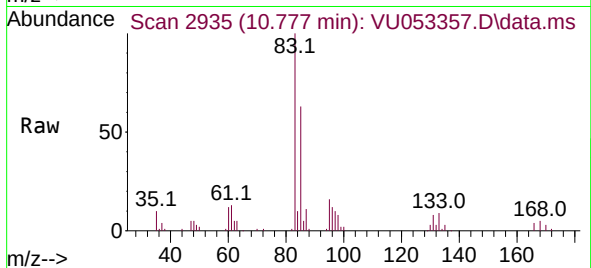
Tgt Ion: 83 Resp: 40080

Ion Ratio Lower Upper

83 100

85 62.9 46.0 85.4

131 8.0 6.6 10.0



#59

Bromoform

Concen: 26.965 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.000 min

Lab File: VU053357.D

Acq: 22 Mar 2023 17:10

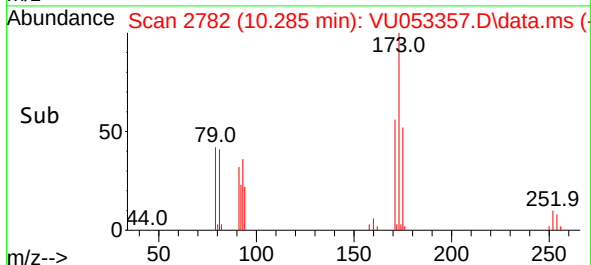
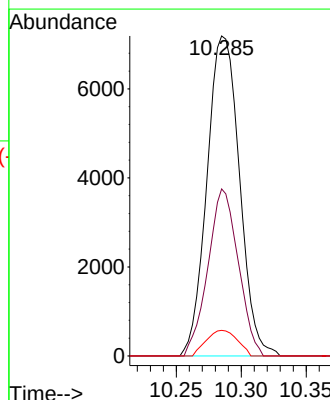
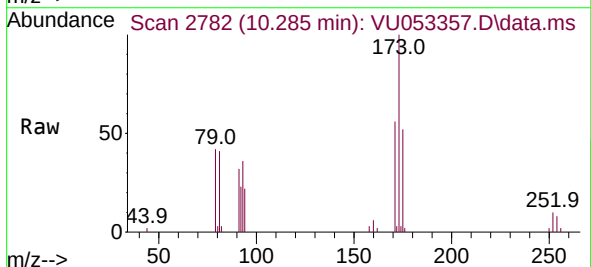
Tgt Ion:173 Resp: 12522

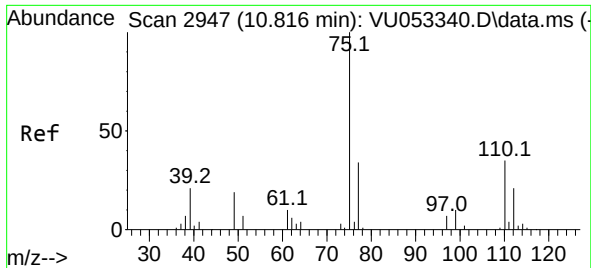
Ion Ratio Lower Upper

173 100

175 48.6 38.5 57.7

254 7.6 6.5 9.7

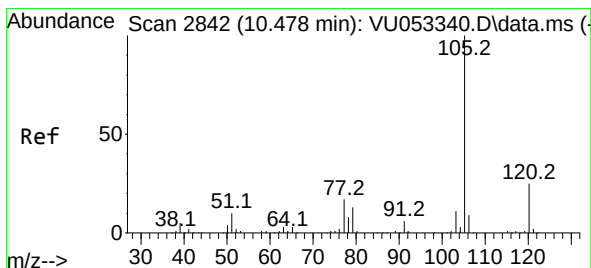
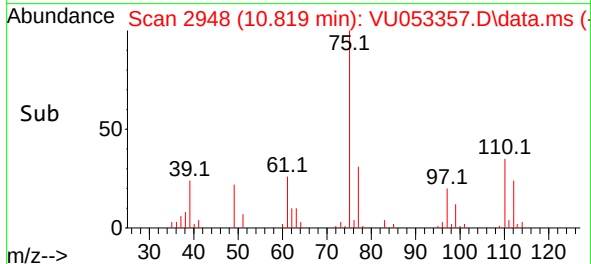
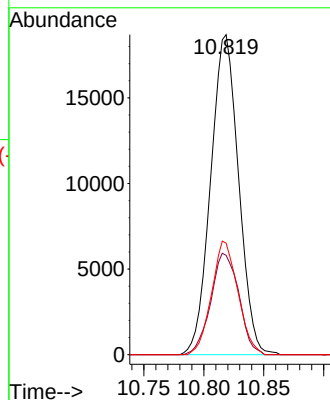
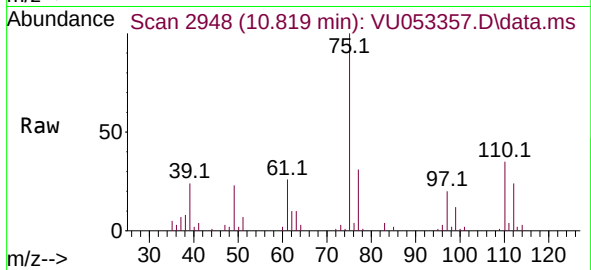




#60
1,2,3-Trichloropropane
Concen: 37.309 ug/L
RT: 10.819 min Scan# 2947
Delta R.T. 0.003 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

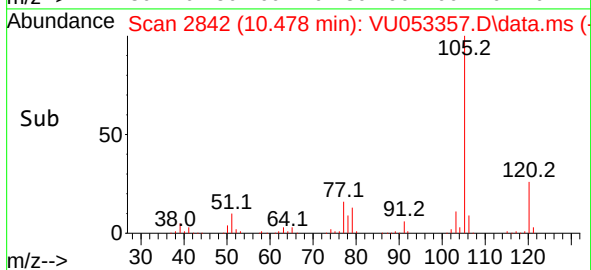
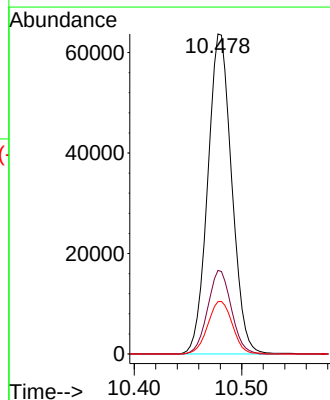
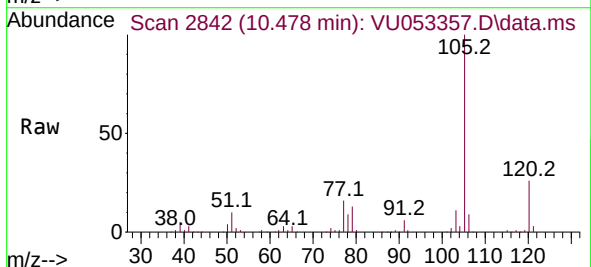
Instrument :
MSVOA_U
ClientSampleId :
EYFE0MS

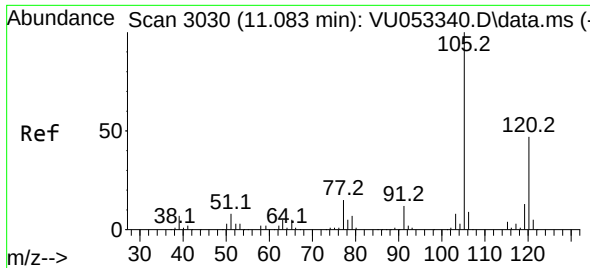
Tgt Ion: 75	Resp: 30253
Ion Ratio	Lower Upper
75 100	
77 31.8	26.6 40.0
110 33.4	28.6 42.8



#61
Isopropylbenzene
Concen: 30.596 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.000 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

Tgt Ion: 105	Resp: 98647
Ion Ratio	Lower Upper
105 100	
120 25.7	20.4 30.6
77 16.8	13.0 19.4

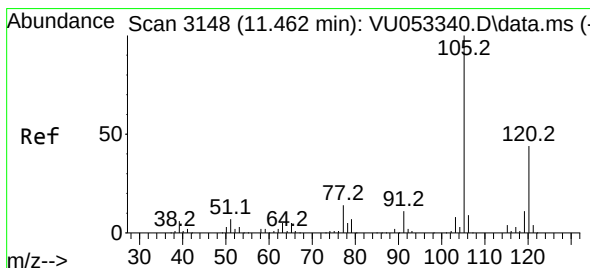
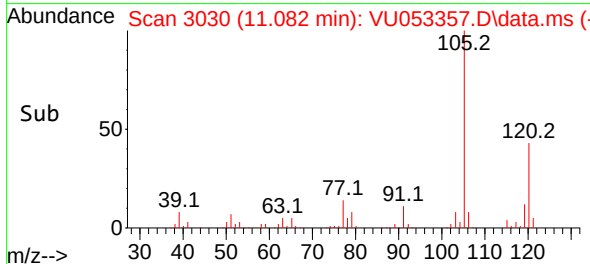
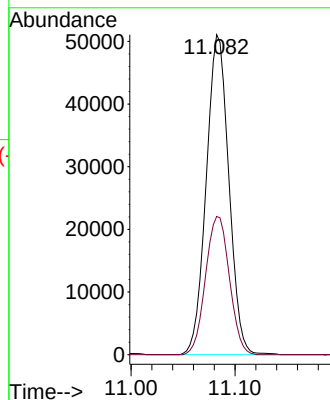
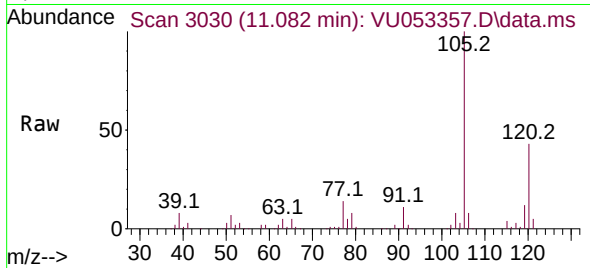




#62
1,3,5-Trimethylbenzene
Concen: 28.865 ug/L
RT: 11.082 min Scan# 3030
Delta R.T. -0.000 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

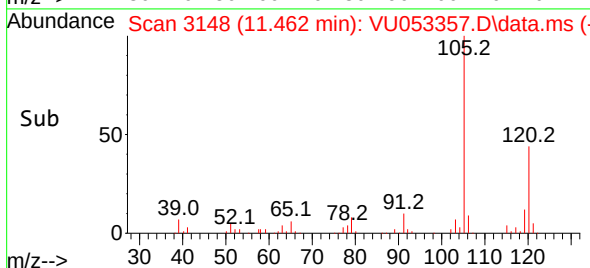
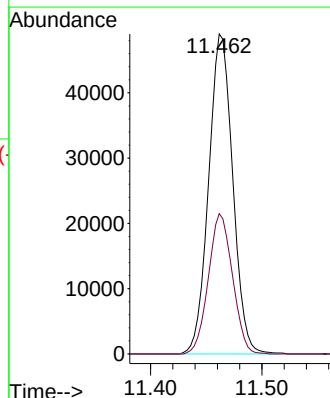
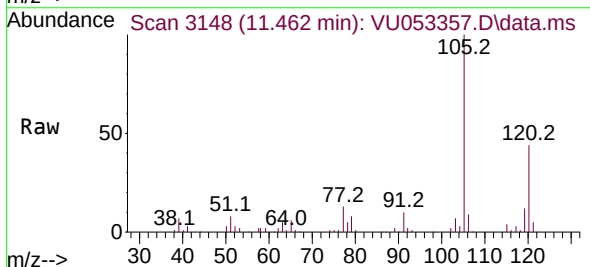
Instrument :
MSVOA_U
ClientSampleId :
EYFE0MS

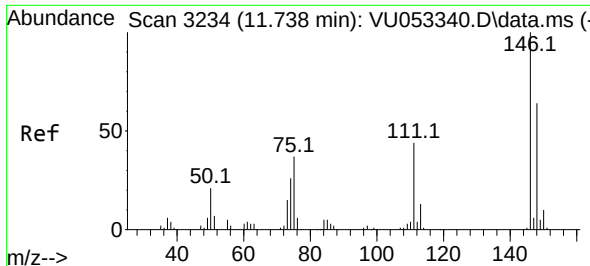
Tgt Ion:105 Resp: 77036
Ion Ratio Lower Upper
105 100
120 45.5 37.0 55.4



#63
1,2,4-Trimethylbenzene
Concen: 28.336 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. -0.000 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

Tgt Ion:105 Resp: 73715
Ion Ratio Lower Upper
105 100
120 43.7 34.6 52.0

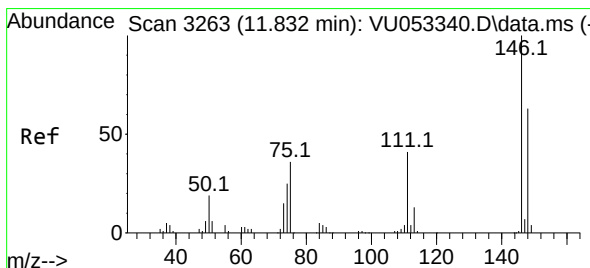
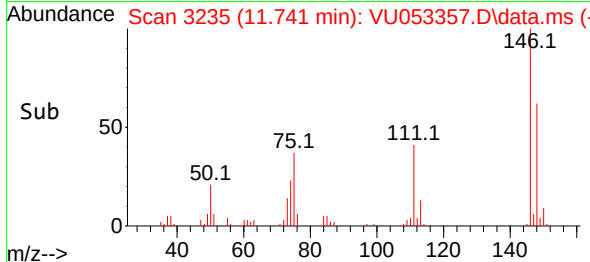
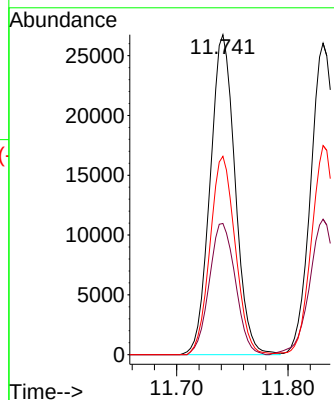
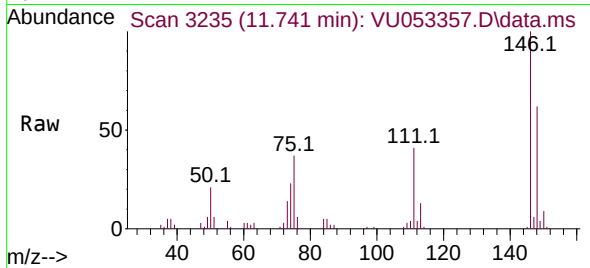




#64
1,3-Dichlorobenzene
Concen: 30.832 ug/L
RT: 11.741 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

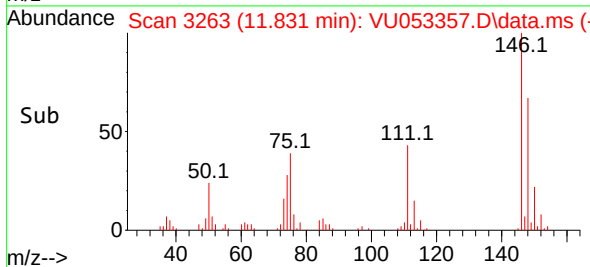
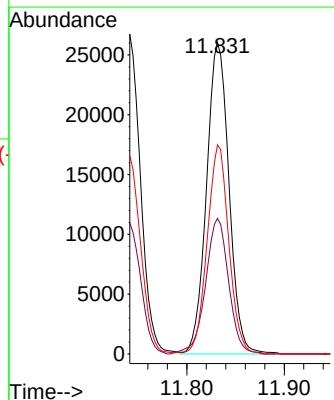
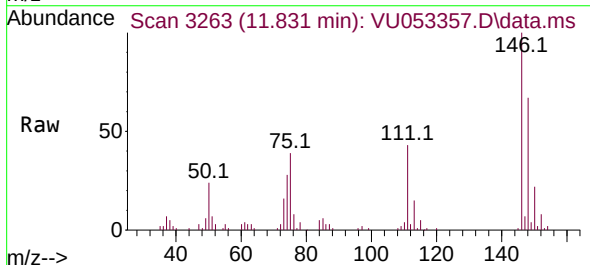
Instrument :
MSVOA_U
ClientSampleId :
EYFE0MS

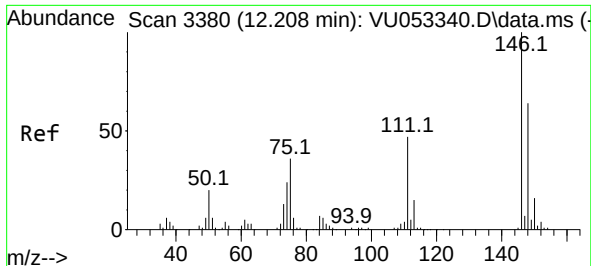
Tgt Ion:146 Resp: 41691
Ion Ratio Lower Upper
146 100
111 41.0 30.2 56.0
148 62.0 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 30.761 ug/L
RT: 11.831 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

Tgt Ion:146 Resp: 41758
Ion Ratio Lower Upper
146 100
111 43.5 30.7 57.1
148 67.1 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 30.759 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053357.D

Acq: 22 Mar 2023 17:10

Instrument :

MSVOA_U

ClientSampleId :

EYFE0MS

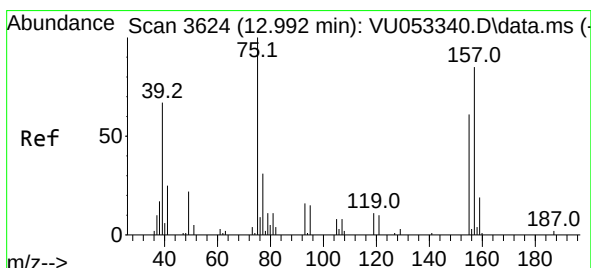
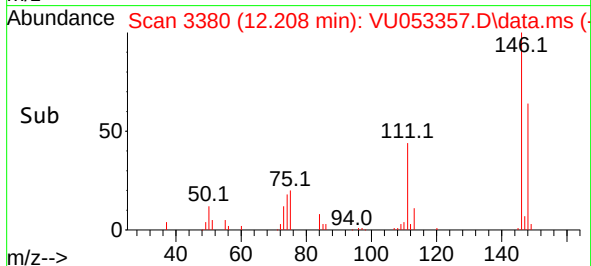
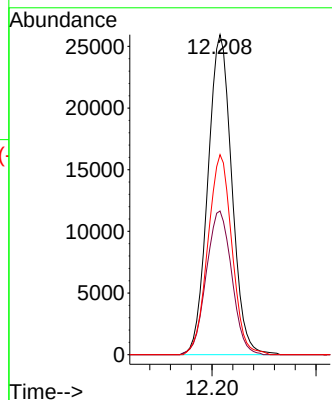
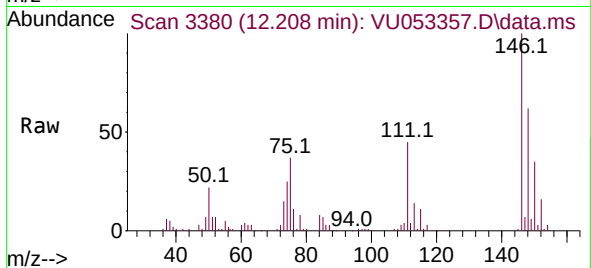
Tgt Ion:146 Resp: 41571

Ion Ratio Lower Upper

146 100

111 44.9 37.0 55.4

148 62.5 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 34.420 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. -0.003 min

Lab File: VU053357.D

Acq: 22 Mar 2023 17:10

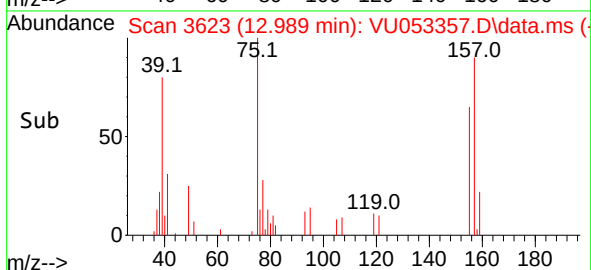
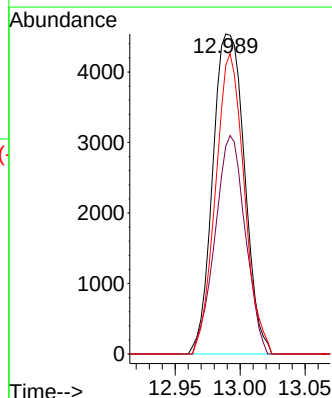
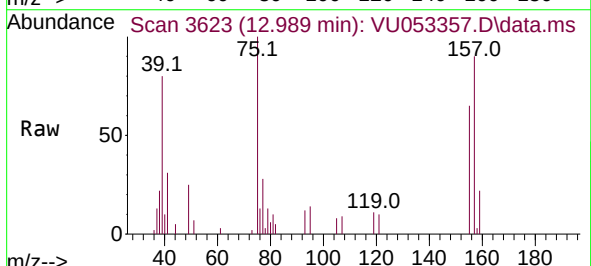
Tgt Ion: 75 Resp: 7718

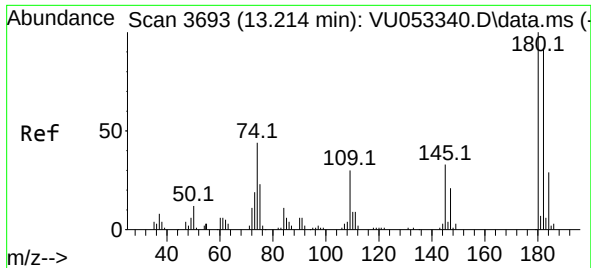
Ion Ratio Lower Upper

75 100

155 64.9 60.2 90.4

157 90.3 73.0 109.4

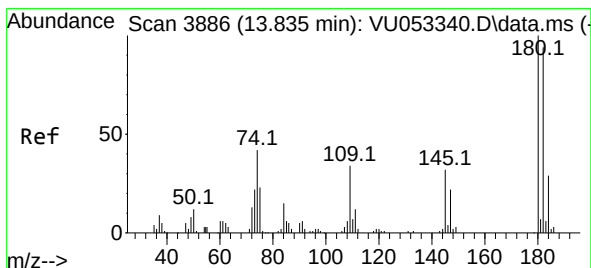
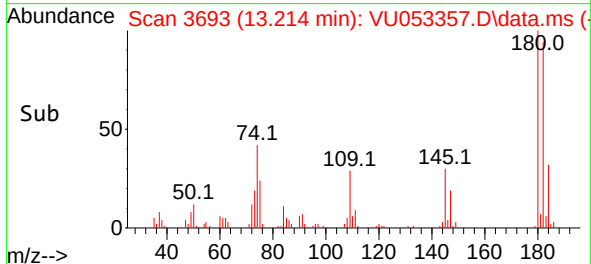
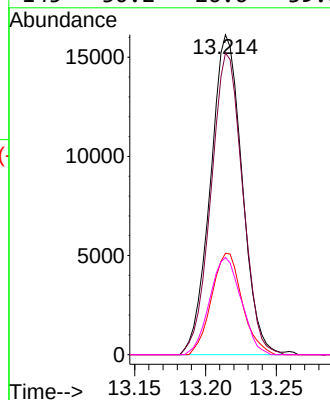
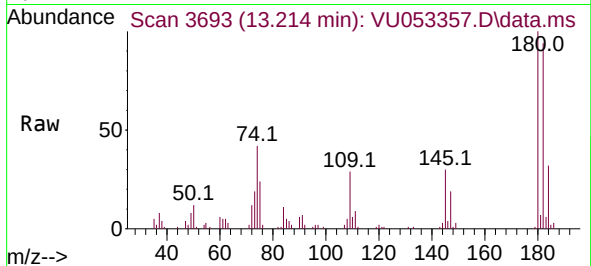




#69
1,3,5-Trichlorobenzene
Concen: 29.260 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. -0.000 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

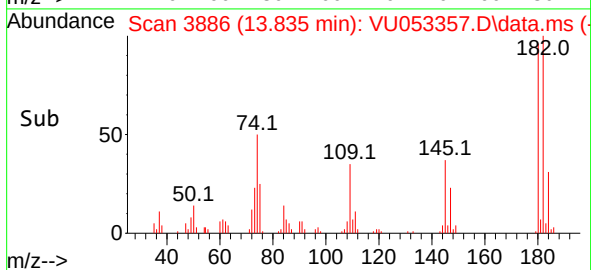
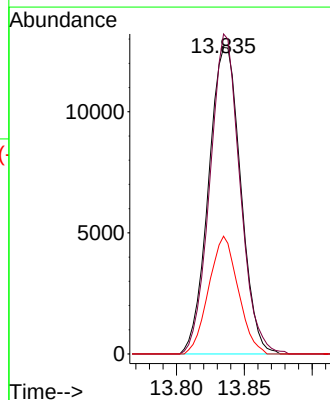
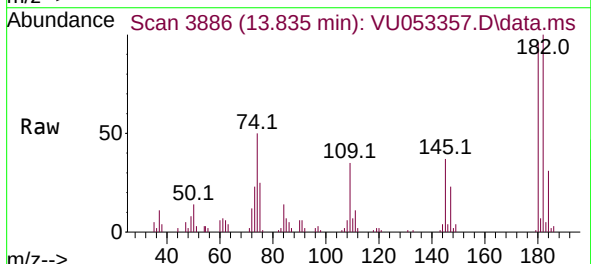
Instrument :
MSVOA_U
ClientSampleId :
EYFE0MS

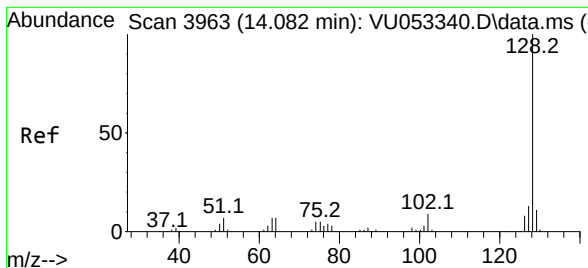
Tgt Ion:180	Resp:	25085
Ion Ratio	Lower	Upper
180	100	
182	93.6	74.5 111.7
184	30.7	23.2 34.8
145	30.2	26.6 39.8



#70
1,2,4-trichlorobenzene
Concen: 27.106 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. -0.000 min
Lab File: VU053357.D
Acq: 22 Mar 2023 17:10

Tgt Ion:180	Resp:	20880
Ion Ratio	Lower	Upper
180	100	
182	97.5	75.8 113.8
145	35.1	27.2 40.8





#71

Naphthalene

Concen: 31.429 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU053357.D

Acq: 22 Mar 2023 17:10

Instrument :

MSVOA_U

ClientSampleId :

EYFE0MS

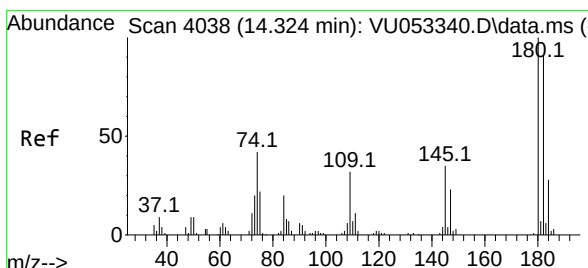
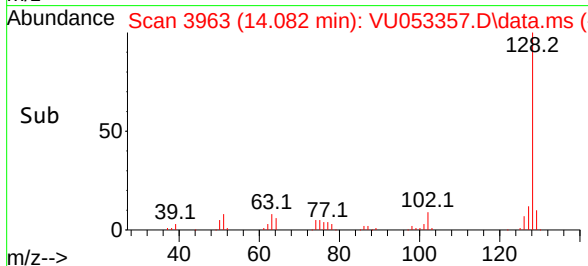
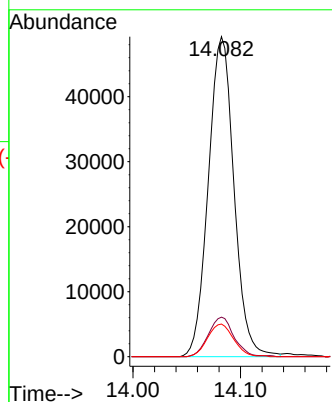
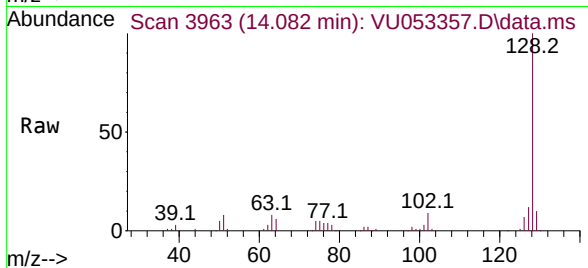
Tgt Ion:128 Resp: 81600

Ion Ratio Lower Upper

128 100

127 12.3 10.0 15.0

129 10.3 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 30.286 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.003 min

Lab File: VU053357.D

Acq: 22 Mar 2023 17:10

Tgt Ion:180 Resp: 22124

Ion Ratio Lower Upper

180 100

182 93.6 76.7 115.1

145 33.8 28.6 42.8

