

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111922\
 Data File : VU051938.D
 Acq On : 19 Nov 2022 07:36
 Operator : JC/MD
 Sample : N5685-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW707

Quant Time: Nov 19 21:41:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 19 21:39:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	256314	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	242726	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	109060	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	105371	4.226	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.600%
7) Chloroethane-d5	1.912	69	84879	4.383	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.600%
11) 1,1-Dichloroethene-d2	2.568	65	38637	4.323	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.400%
20) 2-Butanone-d5	4.617	46	218413	48.330	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.660%
24) Chloroform-d	5.060	84	161992	4.422	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
26) 1,2-Dichloroethane-d4	5.700	65	81395	4.399	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.000%
32) Benzene-d6	5.726	84	353203	4.901	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.000%
36) 1,2-Dichloropropane-d6	6.687	67	109954	4.930	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.600%
41) Toluene-d8	7.896	98	311063	4.771	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
43) trans-1,3-Dichloroprop...	8.179	79	38194	4.700	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.000%
46) 2-Hexanone-d5	8.629	63	181179	52.607	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.220%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	96046	4.967	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.400%
66) 1,2-Dichlorobenzene-d4	12.192	152	111920	5.360	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.200%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	1088	0.058	ug/L #	28
13) Acetone	2.597	43	19219	6.263	ug/L	62
15) Methyl Acetate	3.044	43	99864	12.546	ug/L #	48
16) Methylene chloride	3.041	84	6367	0.253	ug/L #	47
25) Chloroform	5.125	83	41412	1.138	ug/L #	25
30) Cyclohexane	5.388	56	193161	7.387	ug/L #	91
33) Benzene	5.774	78	16028	0.203	ug/L	100
35) Methylcyclohexane	6.761	83	214445	7.566	ug/L	93
37) 1,2-Dichloropropane	6.755	63	2639	0.129	ug/L	100
38) Bromodichloromethane	7.124	83	1514	0.061	ug/L #	26
39) cis-1,3-Dichloropropene	7.562	75	2456	0.094	ug/L #	1
45) 1,1,2-Trichloroethane	8.366	97	10006	0.651	ug/L #	20
47) Tetrachloroethene	8.552	164	4613	0.305	ug/L	96
49) Dibromochloromethane	8.555	129	4205	0.244	ug/L #	12
52) Ethylbenzene	9.568	91	6702	0.085	ug/L	93
53) m,p-Xylene	9.697	106	9733	0.318	ug/L	96
60) Isopropylbenzene	10.481	105	75359	1.100	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	68858	1.257	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	68207	1.255	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111922\
Data File : VU051938.D
Acq On : 19 Nov 2022 07:36
Operator : JC/MD
Sample : N5685-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EW707

Quant Time: Nov 19 21:41:09 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Nov 19 21:39:41 2022
Response via : Initial Calibration

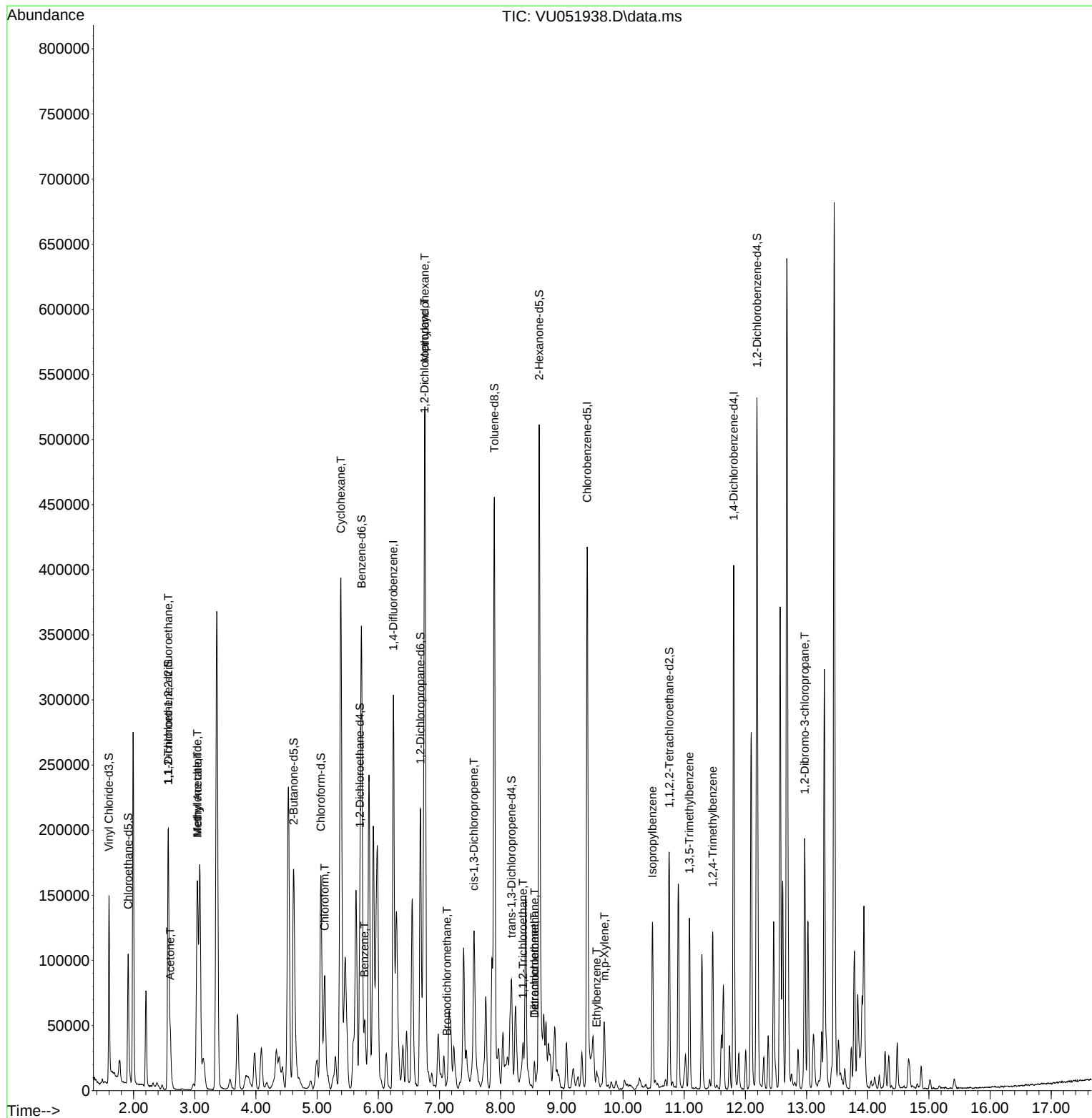
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	12.970	75	729	0.267	ug/L	# 4

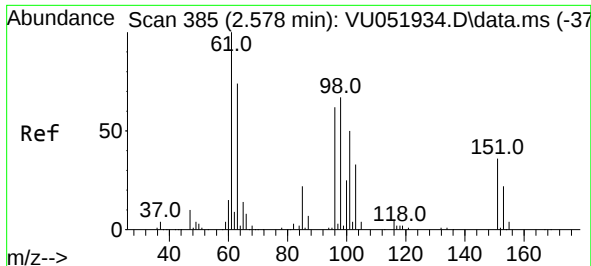
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111922\
Data File : VU051938.D
Acq On : 19 Nov 2022 07:36
Operator : JC/MD
Sample : N5685-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EW707

Quant Time: Nov 19 21:41:09 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Nov 19 21:39:41 2022
Response via : Initial Calibration

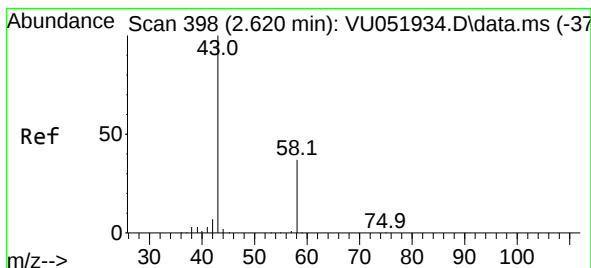
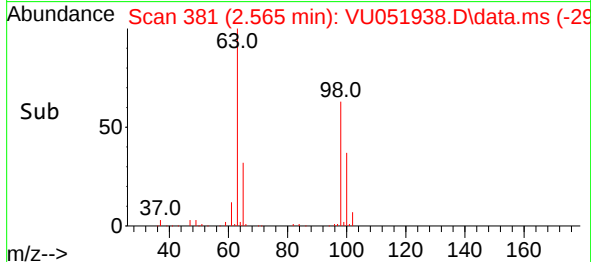
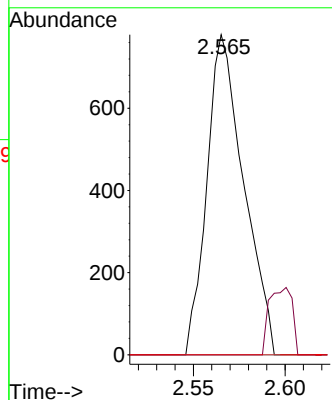
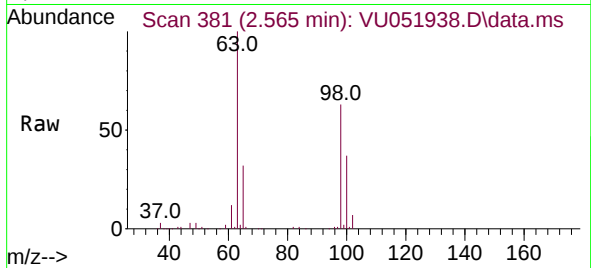




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.058 ug/L
RT: 2.565 min Scan# 31
Delta R.T. -0.013 min
Lab File: VU051938.D
Acq: 19 Nov 2022 07:36

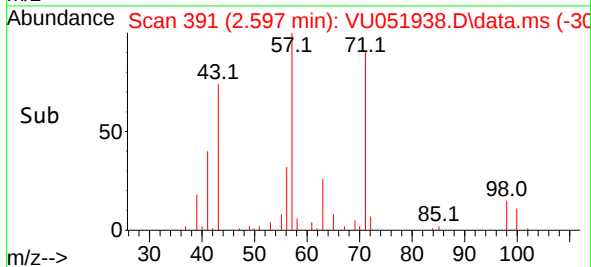
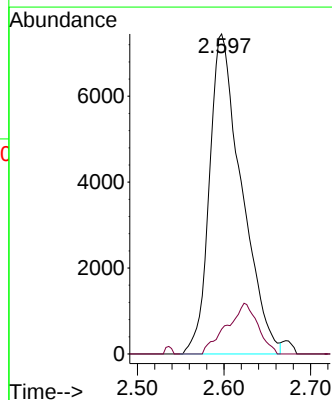
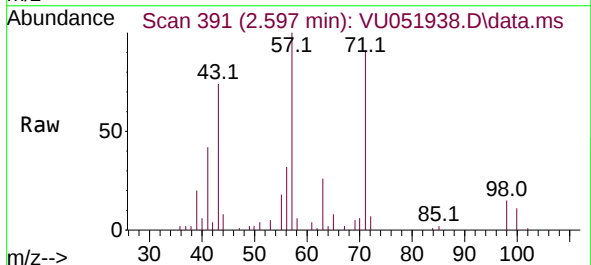
Instrument :
MSVOA_U
ClientSampleId :
EW707

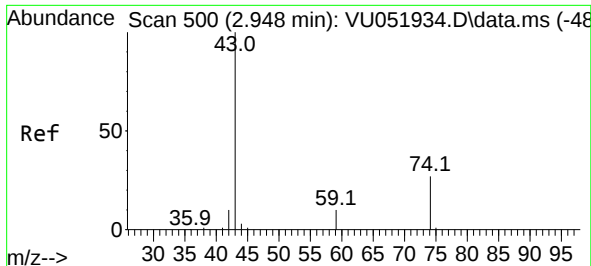
Tgt Ion:101 Resp: 1088
Ion Ratio Lower Upper
101 100
85 13.1 33.8 50.6#
151 0.0 58.6 88.0#



#13
Acetone
Concen: 6.263 ug/L
RT: 2.597 min Scan# 391
Delta R.T. -0.022 min
Lab File: VU051938.D
Acq: 19 Nov 2022 07:36

Tgt Ion: 43 Resp: 19219
Ion Ratio Lower Upper
43 100
58 15.4 0.0 76.0

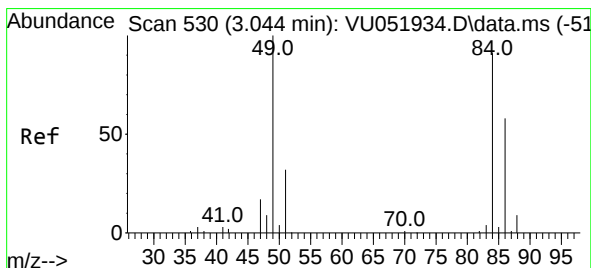
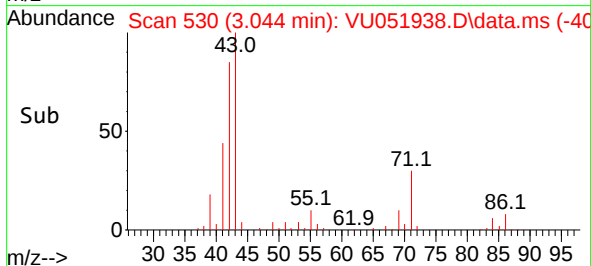
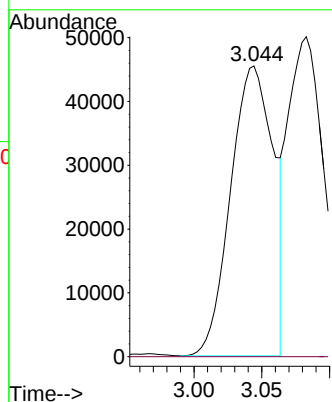
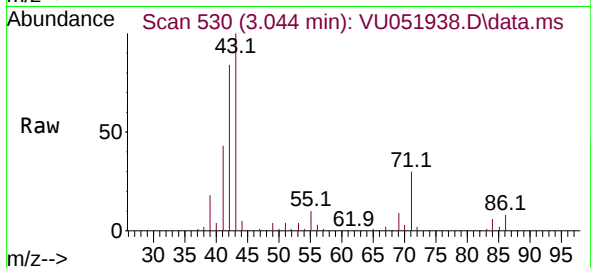




#15
Methyl Acetate
Concen: 12.546 ug/L
RT: 3.044 min Scan# 51
Delta R.T. 0.097 min
Lab File: VU051938.D
Acq: 19 Nov 2022 07:36

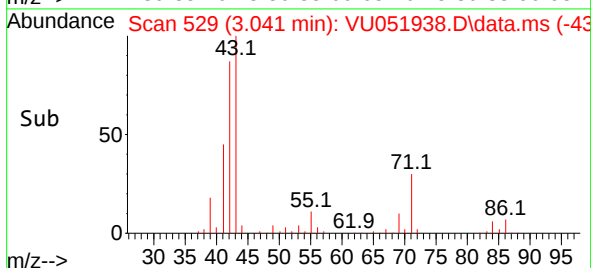
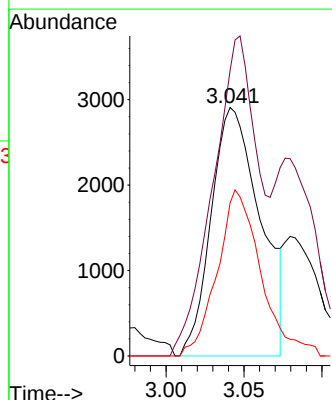
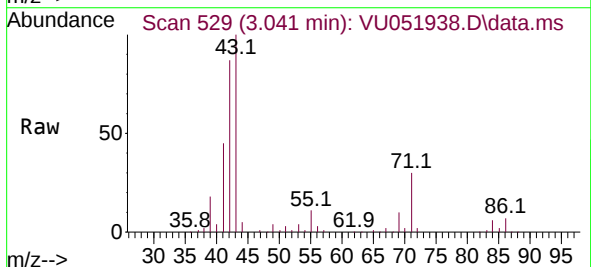
Instrument :
MSVOA_U
ClientSampleId :
EW707

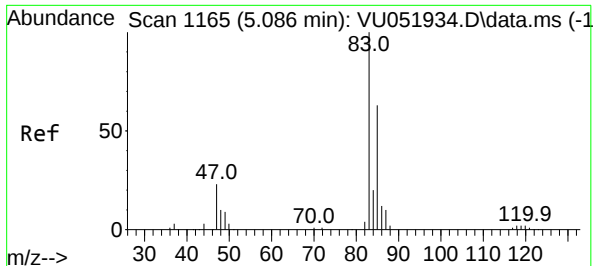
Tgt Ion: 43 Resp: 99864
Ion Ratio Lower Upper
43 100
74 0.0 21.3 31.9#



#16
Methylene chloride
Concen: 0.253 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU051938.D
Acq: 19 Nov 2022 07:36

Tgt Ion: 84 Resp: 6367
Ion Ratio Lower Upper
84 100
86 115.0 43.8 81.4#
49 61.6 75.9 141.1#





#25

Chloroform

Concen: 1.138 ug/L

RT: 5.125 min Scan# 1165

Delta R.T. 0.039 min

Lab File: VU051938.D

Acq: 19 Nov 2022 07:36

Instrument :

MSVOA_U

ClientSampleId :

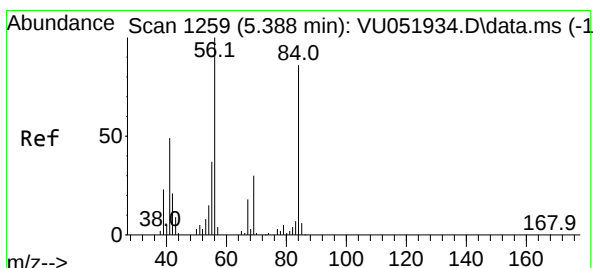
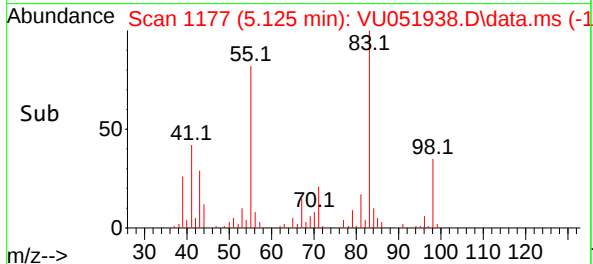
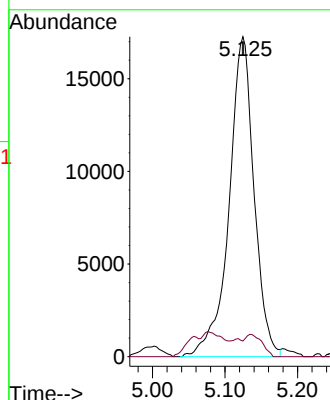
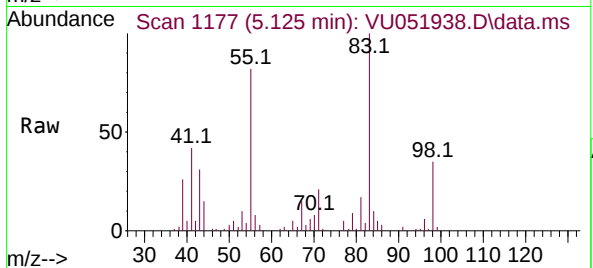
EW707

Tgt Ion: 83 Resp: 41412

Ion Ratio Lower Upper

83 100

85 4.9 43.8 81.4#



#30

Cyclohexane

Concen: 7.387 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU051938.D

Acq: 19 Nov 2022 07:36

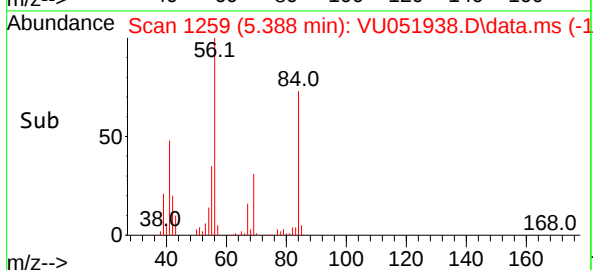
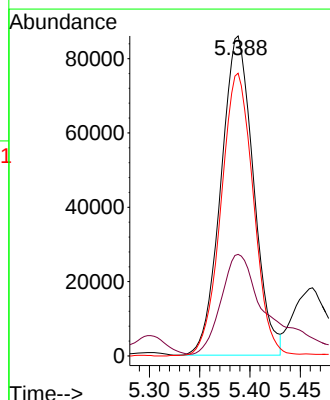
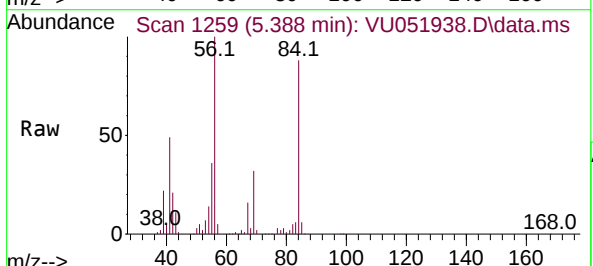
Tgt Ion: 56 Resp: 193161

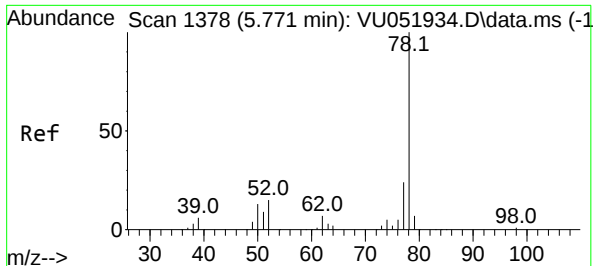
Ion Ratio Lower Upper

56 100

69 48.6 25.6 38.4#

84 88.2 72.0 108.0





#33

Benzene

Concen: 0.203 ug/L

RT: 5.774 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU051938.D

Acq: 19 Nov 2022 07:36

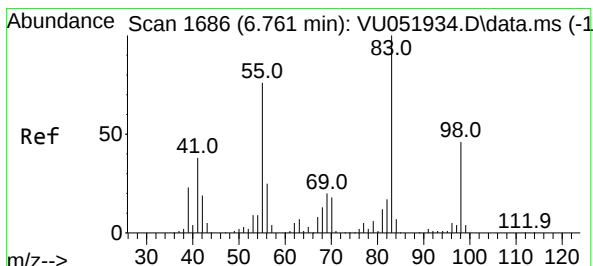
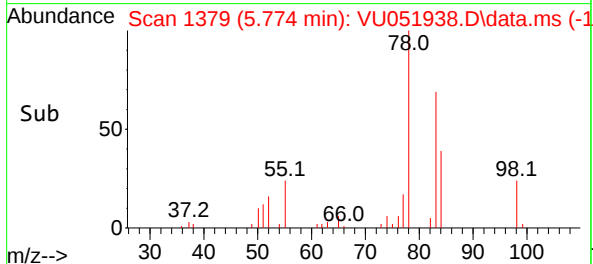
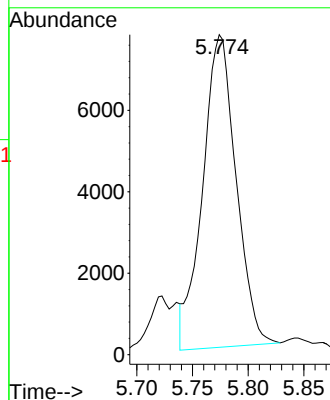
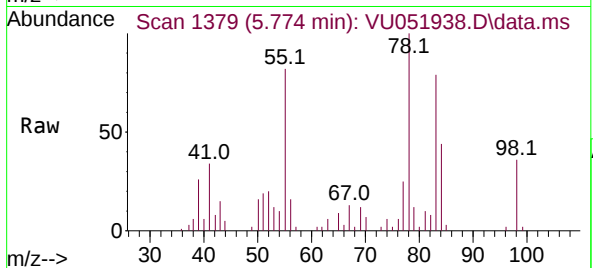
Instrument :

MSVOA_U

ClientSampleId :

EW707

Tgt Ion: 78 Resp: 16028



#35

Methylcyclohexane

Concen: 7.566 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VU051938.D

Acq: 19 Nov 2022 07:36

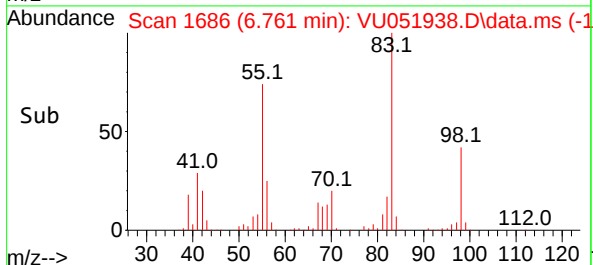
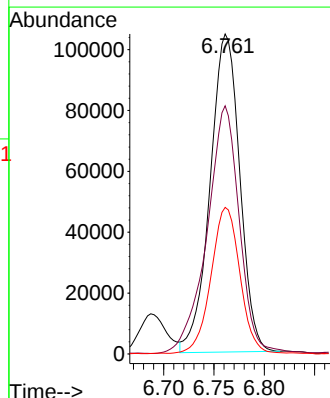
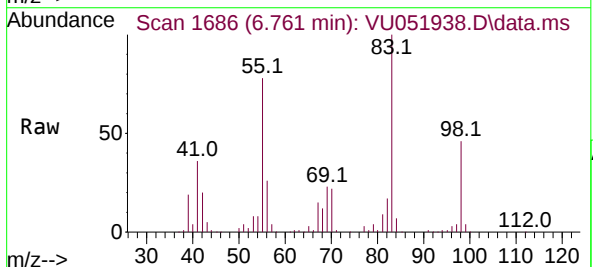
Tgt Ion: 83 Resp: 214445

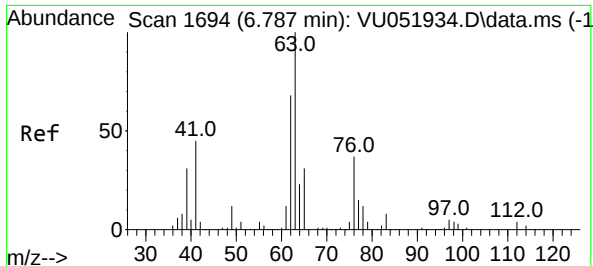
Ion Ratio Lower Upper

83 100

55 84.9 60.8 91.2

98 44.6 35.1 52.7





#37

1,2-Dichloropropane

Concen: 0.129 ug/L

RT: 6.755 min Scan# 1

Delta R.T. -0.032 min

Lab File: VU051938.D

Acq: 19 Nov 2022 07:36

Instrument :

MSVOA_U

ClientSampleId :

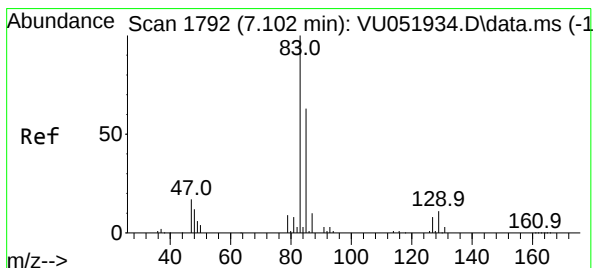
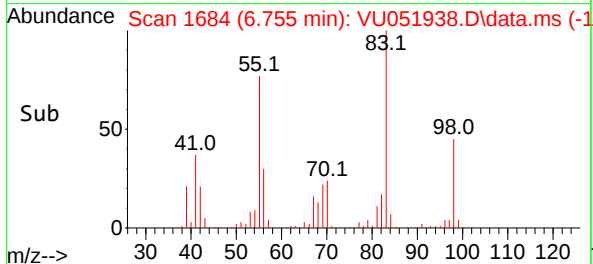
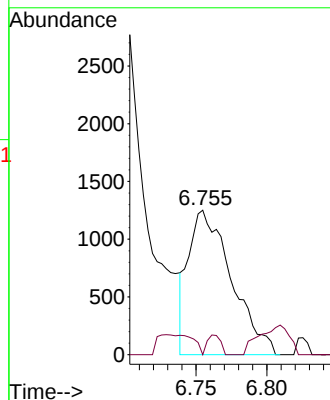
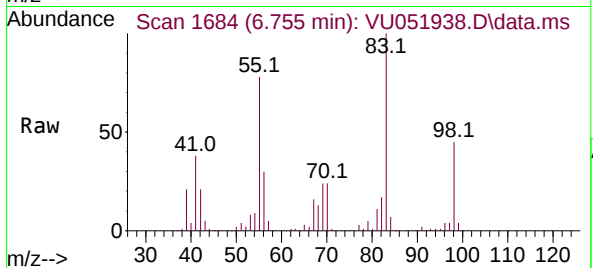
EW707

Tgt Ion: 63 Resp: 2639

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



#38

Bromodichloromethane

Concen: 0.061 ug/L

RT: 7.124 min Scan# 1799

Delta R.T. 0.023 min

Lab File: VU051938.D

Acq: 19 Nov 2022 07:36

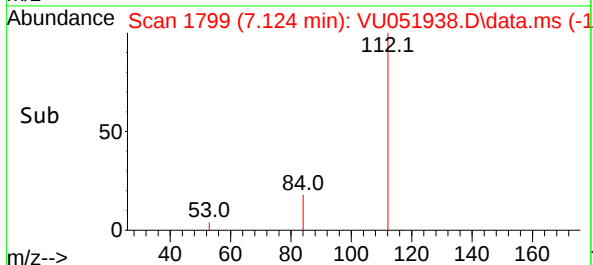
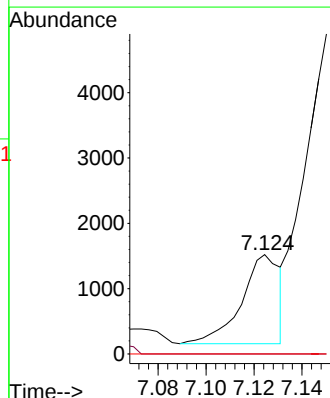
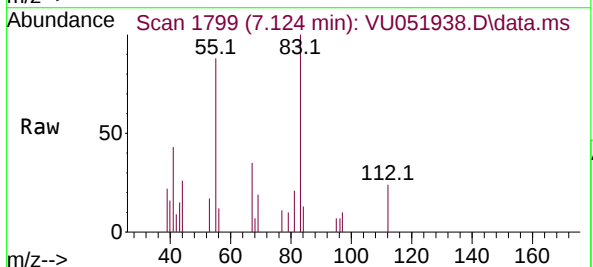
Tgt Ion: 83 Resp: 1514

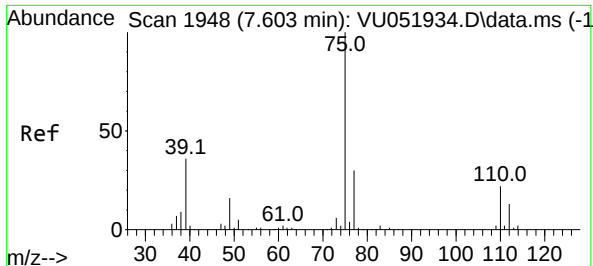
Ion Ratio Lower Upper

83 100

85 0.0 43.5 80.9#

127 0.0 6.8 10.2#





#39

cis-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.562 min Scan# 1948

Delta R.T. -0.042 min

Lab File: VU051938.D

Acq: 19 Nov 2022 07:36

Instrument :

MSVOA_U

ClientSampleId :

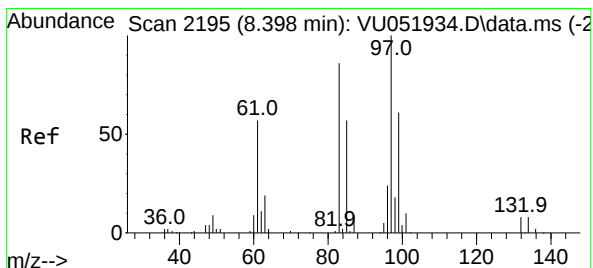
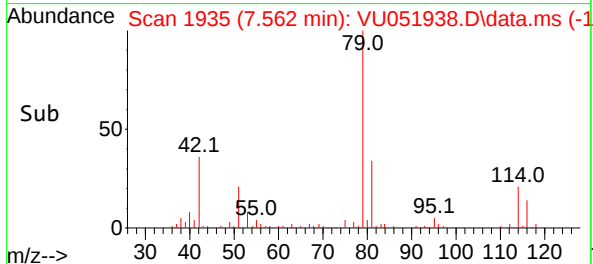
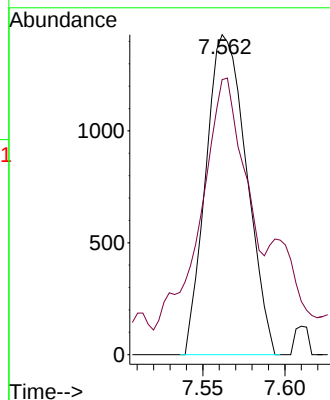
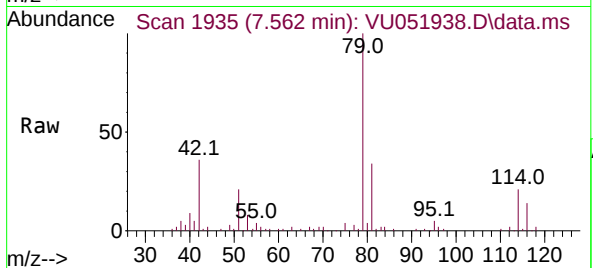
EW707

Tgt Ion: 75 Resp: 2456

Ion Ratio Lower Upper

75 100

77 85.9 22.0 40.8#



#45

1,1,2-Trichloroethane

Concen: 0.651 ug/L

RT: 8.366 min Scan# 2185

Delta R.T. -0.032 min

Lab File: VU051938.D

Acq: 19 Nov 2022 07:36

Tgt Ion: 97 Resp: 10006

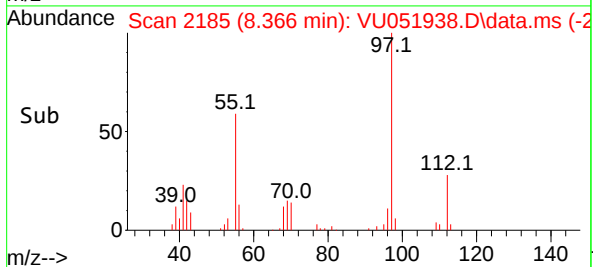
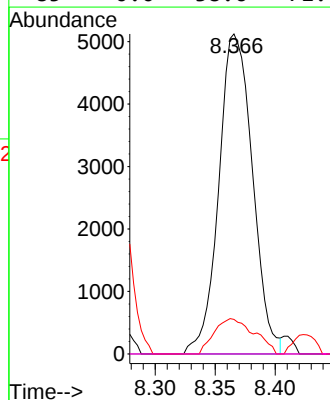
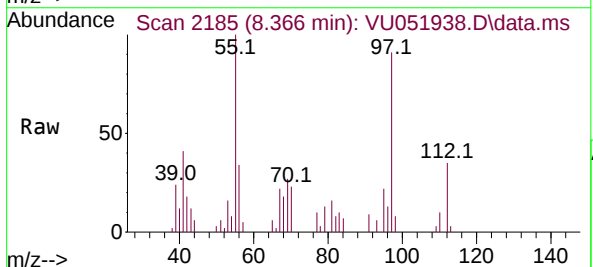
Ion Ratio Lower Upper

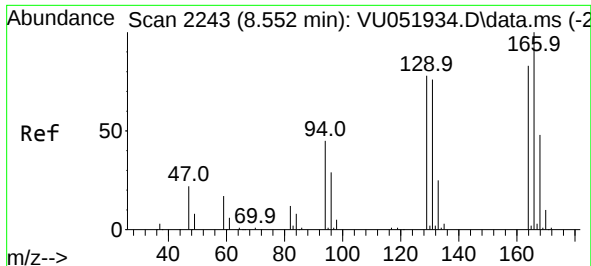
97 100

99 0.0 42.6 79.2#

83 10.8 60.7 112.7#

85 0.0 38.6 71.6#





#47

Tetrachloroethene

Concen: 0.305 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.000 min

Lab File: VU051938.D

Acq: 19 Nov 2022 07:36

Instrument :

MSVOA_U

ClientSampleId :

EW707

Tgt Ion:164 Resp: 4613

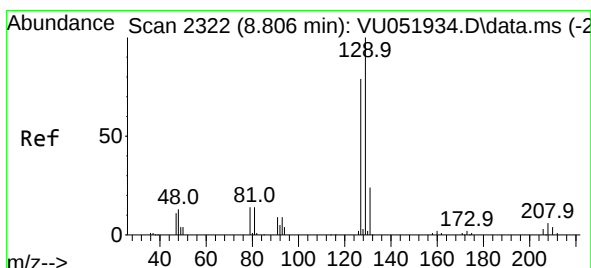
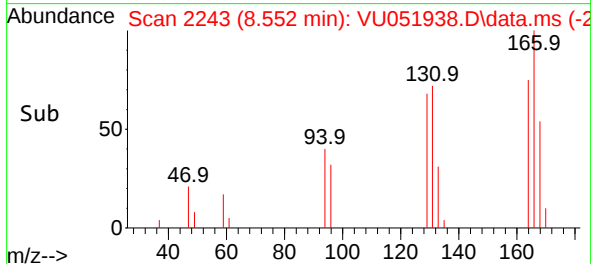
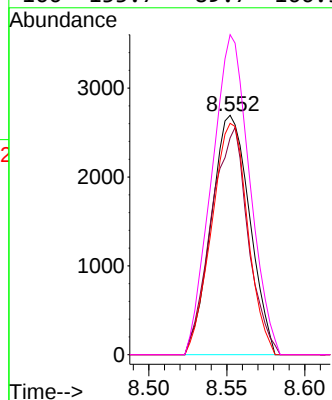
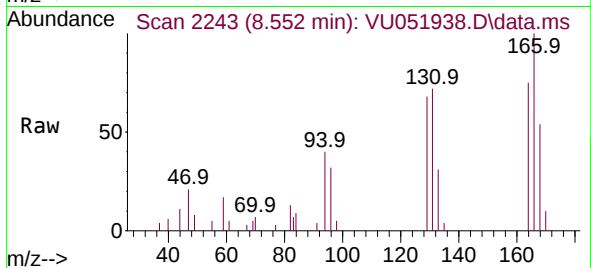
Ion Ratio Lower Upper

164 100

129 90.6 67.4 125.2

131 96.7 67.1 124.7

166 133.7 89.7 166.5



#49

Dibromochloromethane

Concen: 0.244 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.251 min

Lab File: VU051938.D

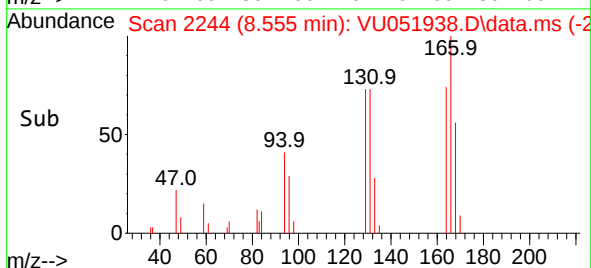
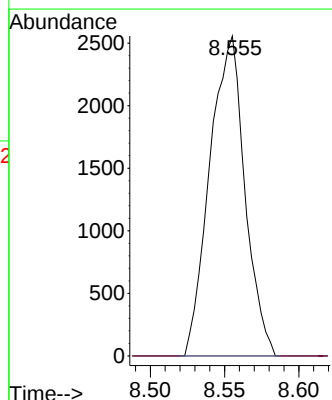
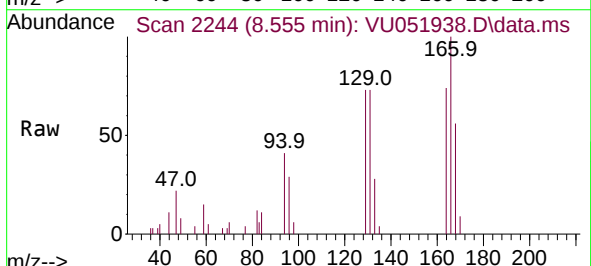
Acq: 19 Nov 2022 07:36

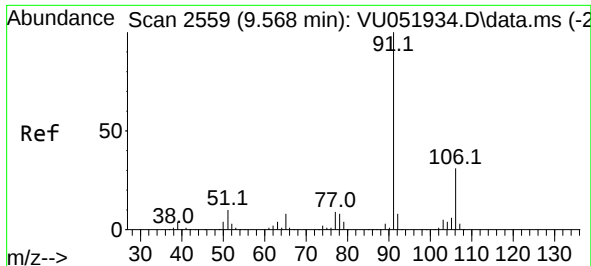
Tgt Ion:129 Resp: 4205

Ion Ratio Lower Upper

129 100

127 0.0 52.8 98.2#





#52

Ethylbenzene

Concen: 0.085 ug/L

RT: 9.568 min Scan# 2559

Delta R.T. 0.000 min

Lab File: VU051938.D

Acq: 19 Nov 2022 07:36

Instrument :

MSVOA_U

ClientSampleId :

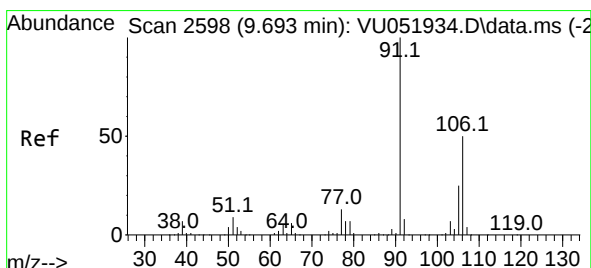
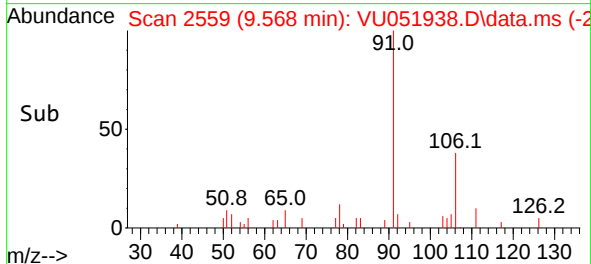
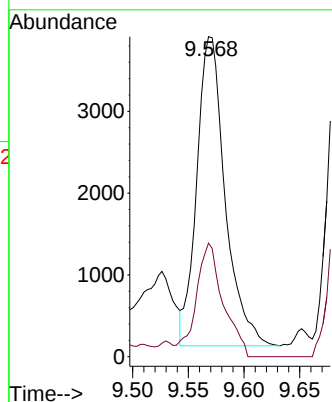
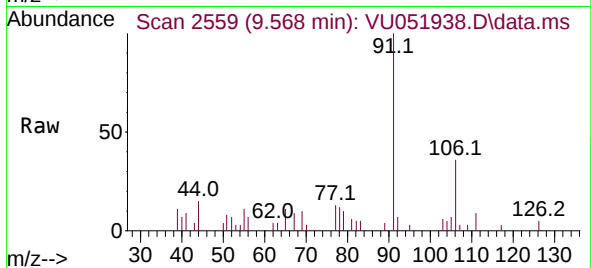
EW707

Tgt Ion: 91 Resp: 6702

Ion Ratio Lower Upper

91 100

106 35.5 22.3 41.3



#53

m,p-Xylene

Concen: 0.318 ug/L

RT: 9.697 min Scan# 2599

Delta R.T. 0.003 min

Lab File: VU051938.D

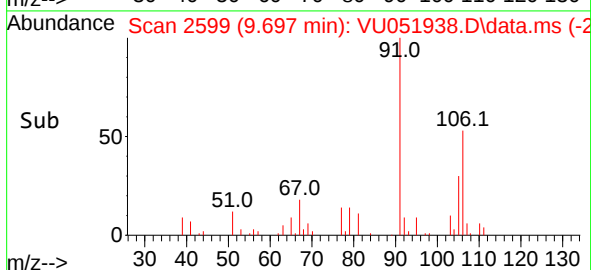
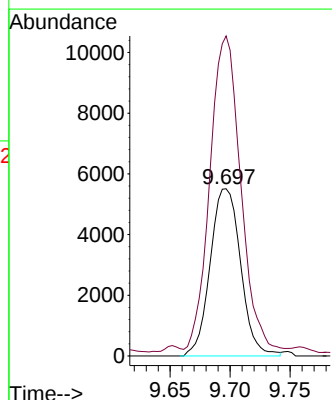
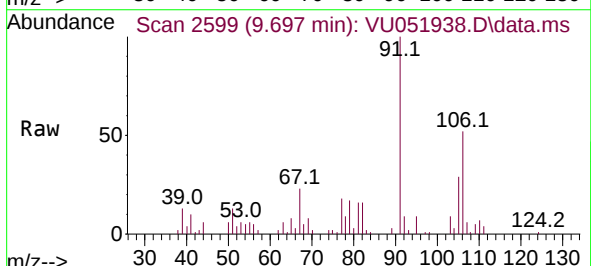
Acq: 19 Nov 2022 07:36

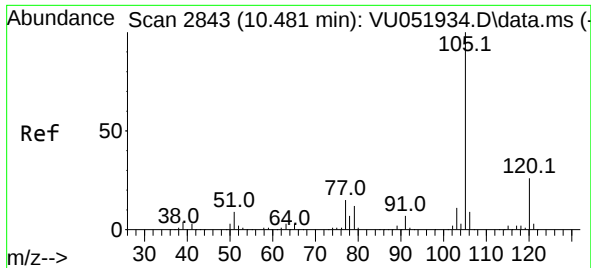
Tgt Ion: 106 Resp: 9733

Ion Ratio Lower Upper

106 100

91 191.4 137.7 255.7

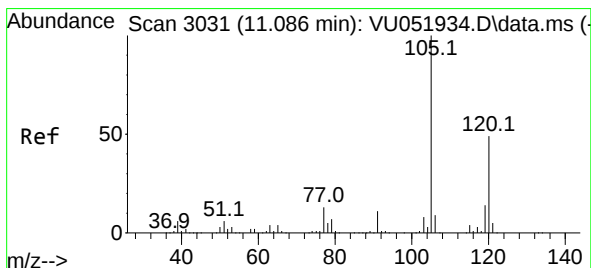
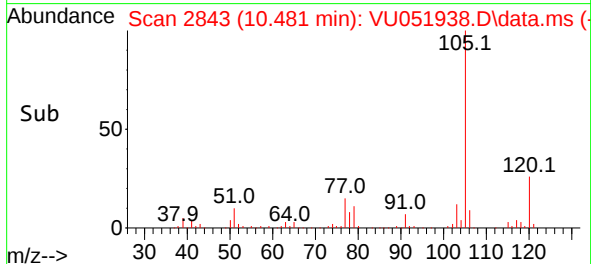
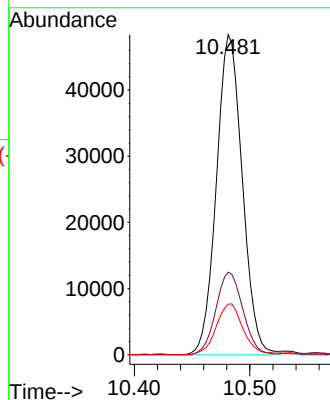
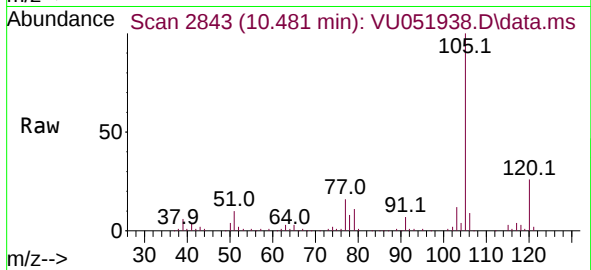




#60
Isopropylbenzene
Concen: 1.100 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU051938.D
Acq: 19 Nov 2022 07:36

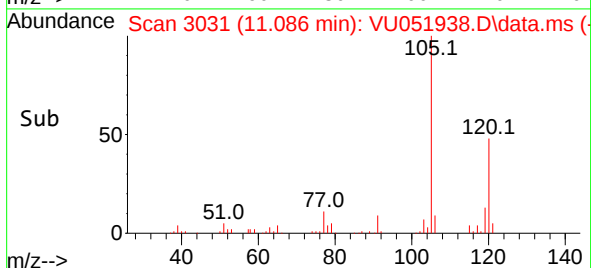
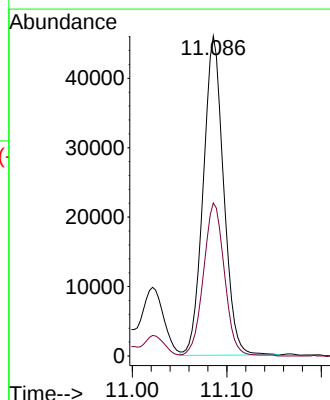
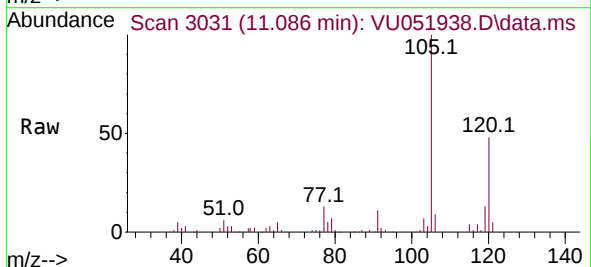
Instrument :
MSVOA_U
ClientSampleId :
EW707

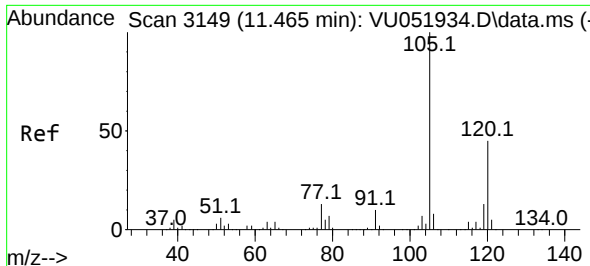
Tgt Ion:105 Resp: 75359
Ion Ratio Lower Upper
105 100
120 26.7 21.0 31.6
77 16.2 12.5 18.7



#62
1,3,5-Trimethylbenzene
Concen: 1.257 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.000 min
Lab File: VU051938.D
Acq: 19 Nov 2022 07:36

Tgt Ion:105 Resp: 68858
Ion Ratio Lower Upper
105 100
120 48.5 38.7 58.1

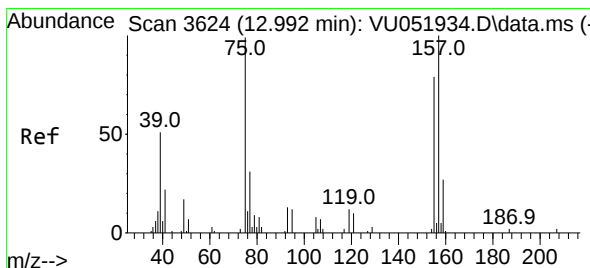
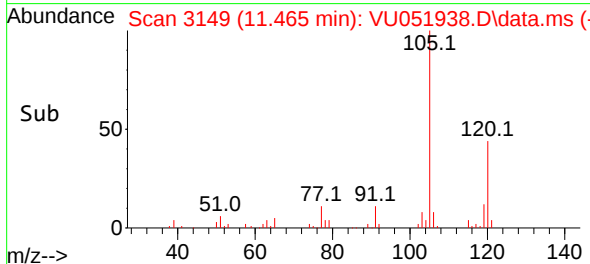
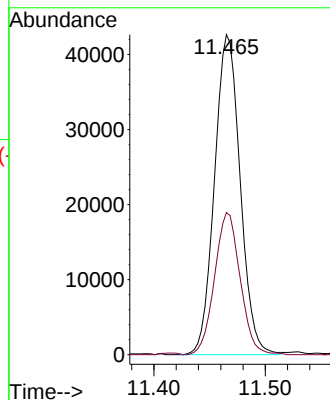
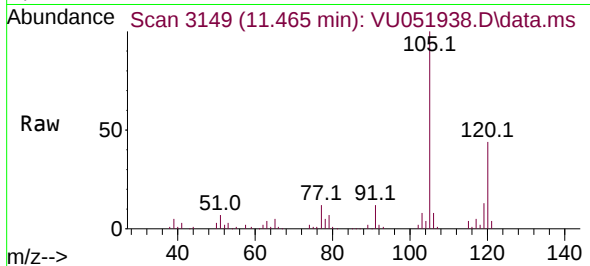




#63
1,2,4-Trimethylbenzene
Concen: 1.255 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.000 min
Lab File: VU051938.D
Acq: 19 Nov 2022 07:36

Instrument :
MSVOA_U
ClientSampleId :
EW707

Tgt Ion:105 Resp: 68207
Ion Ratio Lower Upper
105 100
120 44.3 36.6 55.0



#68
1,2-Dibromo-3-chloropropane
Concen: 0.267 ug/L
RT: 12.970 min Scan# 3617
Delta R.T. -0.022 min
Lab File: VU051938.D
Acq: 19 Nov 2022 07:36

Tgt Ion: 75 Resp: 729
Ion Ratio Lower Upper
75 100
155 0.0 65.4 98.2#
157 0.0 80.5 120.7#

