

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U080422\
 Data File : U080422.D
 Acq On : 05 Aug 2022 00:14
 Operator : SY/MD
 Sample : N4027-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBJH1

Quant Time: Aug 05 04:59:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Aug 05 04:52:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	81874	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	80485	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	31448	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	30750	4.513	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.200%
7) Chloroethane-d5	1.912	69	26381	4.799	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.000%
11) 1,1-Dichloroethene-d2	2.565	65	12079	4.536	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.800%
20) 2-Butanone-d5	4.636	46	103414	62.239	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.480%
24) Chloroform-d	5.063	84	62380	4.922	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.400%
26) 1,2-Dichloroethane-d4	5.703	65	34568	5.312	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.200%
32) Benzene-d6	5.729	84	125572	5.000	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.000%
36) 1,2-Dichloropropane-d6	6.690	67	42815	5.177	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.600%
41) Toluene-d8	7.899	98	105145	4.740	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
43) trans-1,3-Dichloroprop...	8.182	79	14829	5.003	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.000%
46) 2-Hexanone-d5	8.636	63	58941	56.079	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.160%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	38794	5.341	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	36078	5.855	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	975	0.130	ug/L #	79
3) Chloromethane	1.520	50	1595	0.162	ug/L	94
9) Trichlorofluoromethane	2.134	101	565	0.059	ug/L #	82
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	24474	4.567	ug/L	97
12) 1,1-Dichloroethene	2.575	96	815	0.144	ug/L #	1
13) Acetone	2.649	43	8022	8.669	ug/L	92
21) 2-Butanone	4.719	43	4153	2.496	ug/L	92
22) cis-1,2-Dichloroethene	4.665	96	2552	0.363	ug/L	97
25) Chloroform	5.092	83	974	0.076	ug/L	84
34) Trichloroethene	6.542	95	40542	5.944	ug/L	99
38) Bromodichloromethane	7.105	83	385	0.042	ug/L #	90
48) 2-Hexanone	8.687	43	18938	5.628	ug/L	91
51) Chlorobenzene	9.446	112	1367	0.077	ug/L #	82
55) Styrene	10.121	104	1047	0.062	ug/L	95
60) Isopropylbenzene	10.484	105	1772	0.084	ug/L	95
62) 1,3,5-Trimethylbenzene	11.468	105	1708	0.288	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	1708	0.106	ug/L	93
64) 1,3-Dichlorobenzene	11.748	146	1701	0.161	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	2008	0.195	ug/L	98

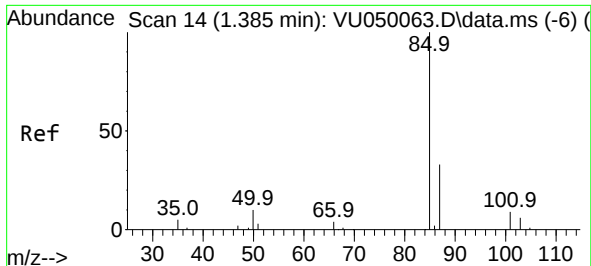
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080422\
Data File : VU050083.D
Acq On : 05 Aug 2022 00:14
Operator : SY/MD
Sample : N4027-07
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Quant Time: Aug 05 04:59:26 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Aug 05 04:52:21 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.211	146	1691	0.165	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	1753	0.232	ug/L	95
70) 1,2,4-trichlorobenzene	13.844	180	2436	0.426	ug/L	98
71) Naphthalene	14.089	128	7362	0.628	ug/L	97
72) 1,2,3-Trichlorobenzene	14.330	180	2562	0.442	ug/L	92

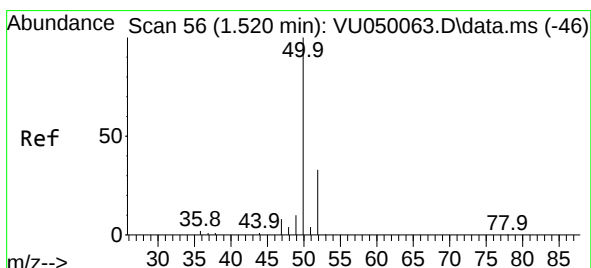
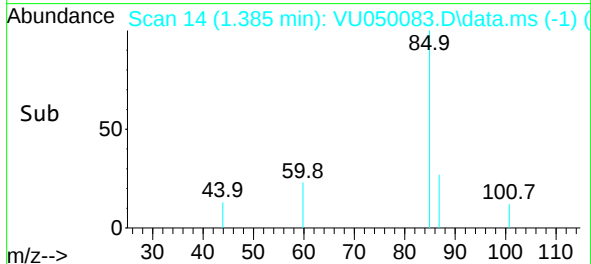
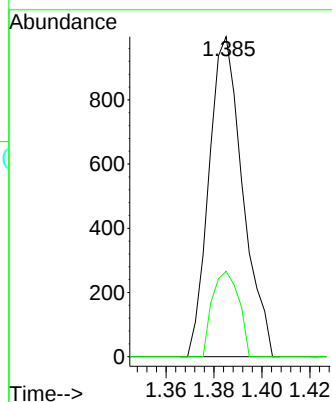
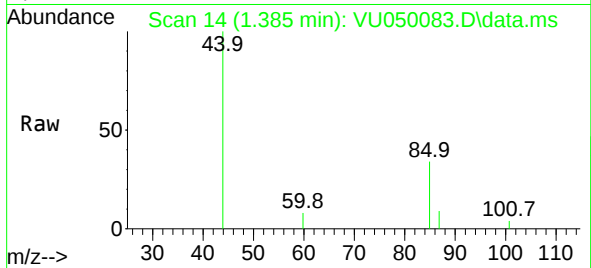
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 0.130 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU050083.D
Acq: 05 Aug 2022 00:14

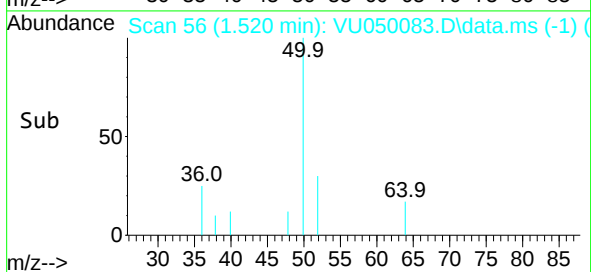
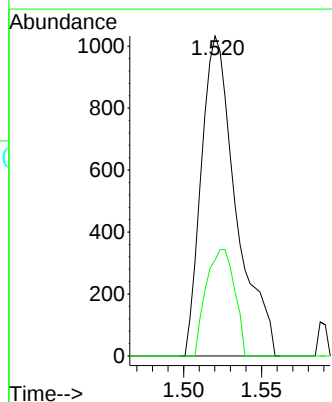
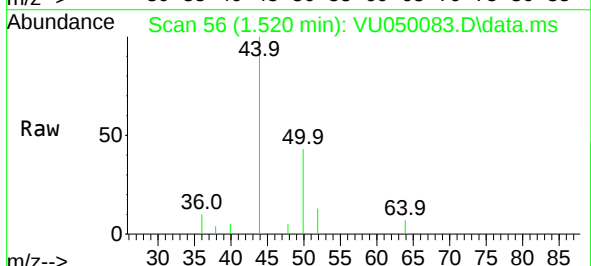
Instrument :
MSVOA_U
ClientSampleId :
GBJH1

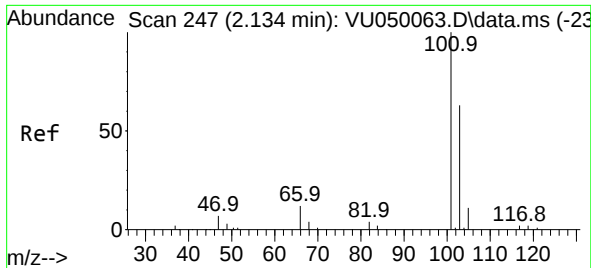
Tgt Ion: 85 Resp: 975
Ion Ratio Lower Upper
85 100
87 20.8 26.2 39.4#



#3
Chloromethane
Concen: 0.162 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU050083.D
Acq: 05 Aug 2022 00:14

Tgt Ion: 50 Resp: 1595
Ion Ratio Lower Upper
50 100
52 30.0 23.2 43.2

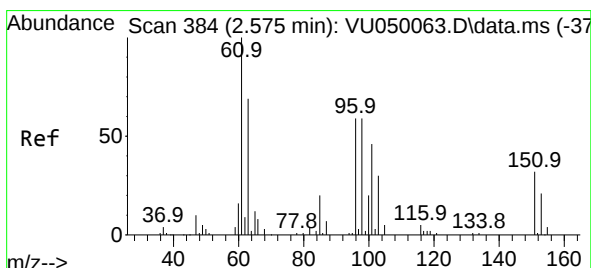
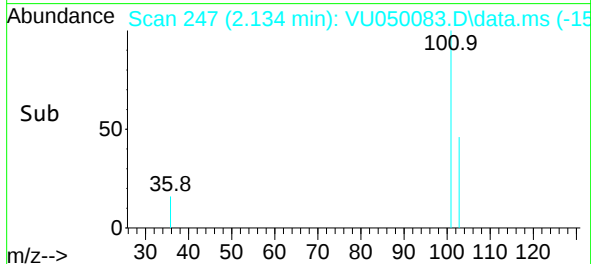
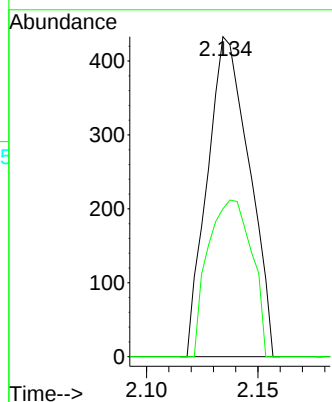
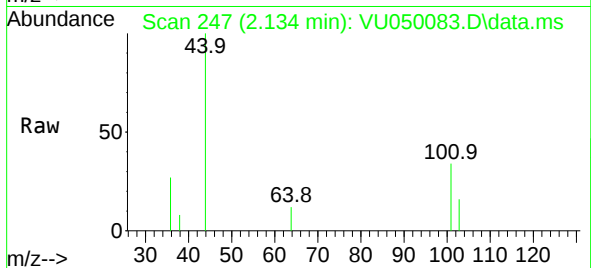




#9
Trichlorofluoromethane
Concen: 0.059 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.000 min
Lab File: VU050083.D
Acq: 05 Aug 2022 00:14

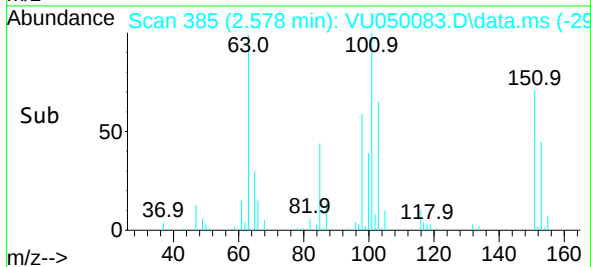
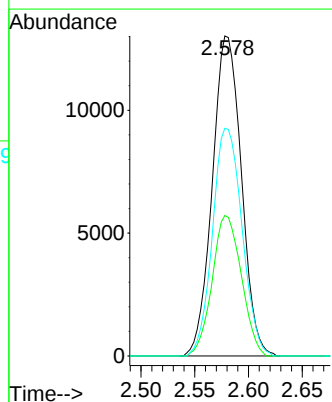
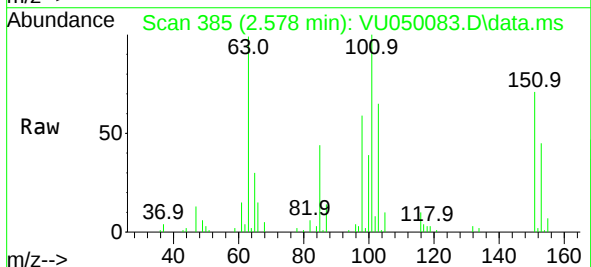
Instrument :
MSVOA_U
ClientSampleId :
GBJH1

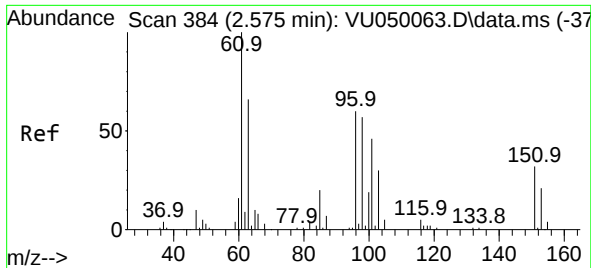
Tgt Ion:101 Resp: 565
Ion Ratio Lower Upper
101 100
103 51.2 52.6 78.8#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.567 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU050083.D
Acq: 05 Aug 2022 00:14

Tgt Ion:101 Resp: 24474
Ion Ratio Lower Upper
101 100
85 44.0 35.6 53.4
151 72.4 55.2 82.8





#12

1,1-Dichloroethene

Concen: 0.144 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.000 min

Lab File: VU050083.D

Acq: 05 Aug 2022 00:14

Instrument :

MSVOA_U

ClientSampleId :

GBJH1

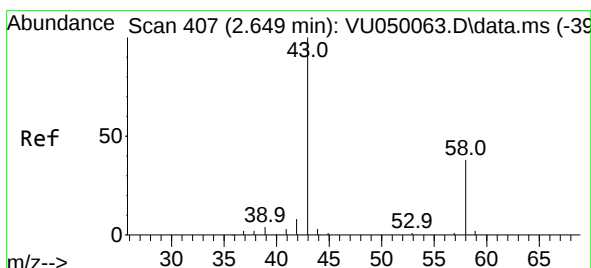
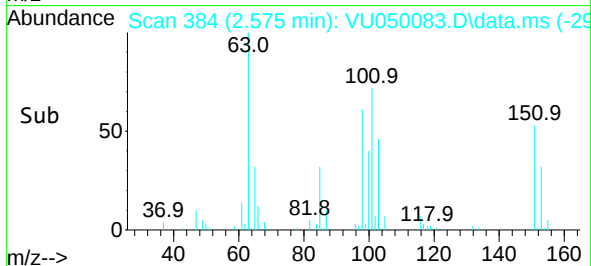
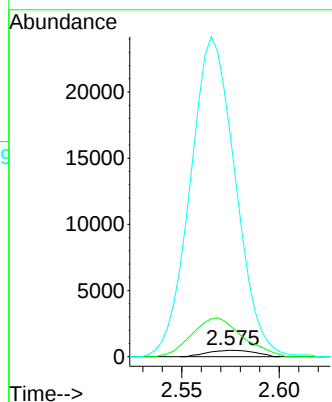
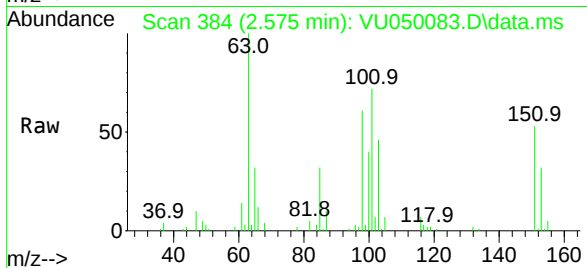
Tgt Ion: 96 Resp: 815

Ion Ratio Lower Upper

96 100

61 489.0 122.7 227.9#

63 3513.3 85.1 158.1#



#13

Acetone

Concen: 8.669 ug/L

RT: 2.649 min Scan# 407

Delta R.T. -0.000 min

Lab File: VU050083.D

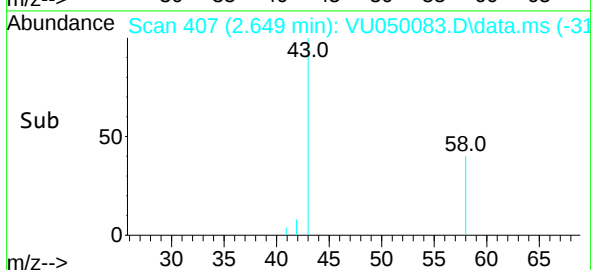
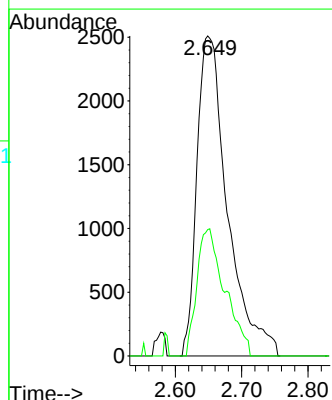
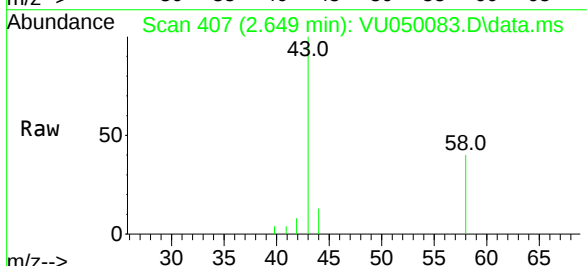
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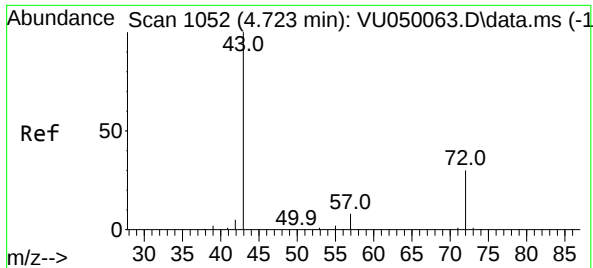
Tgt Ion: 43 Resp: 8022

Ion Ratio Lower Upper

43 100

58 36.4 0.0 64.0

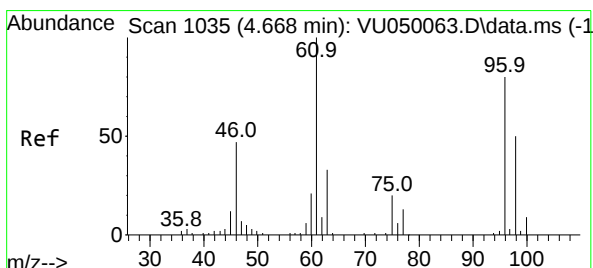
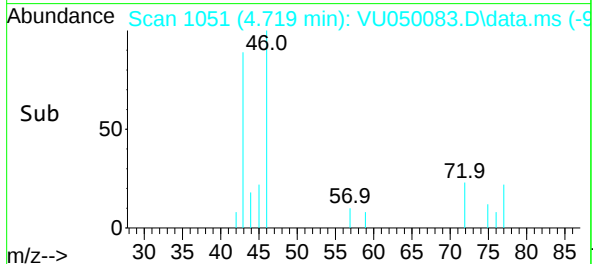
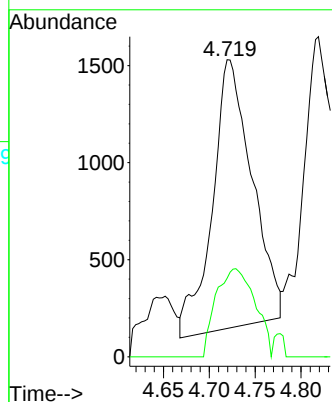
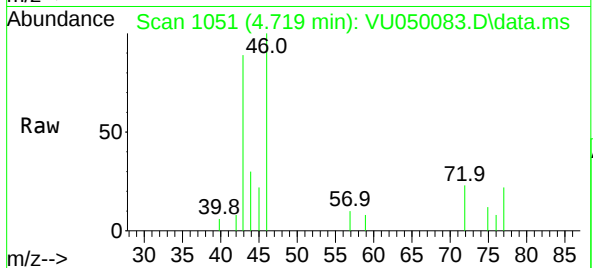




#21
2-Butanone
Concen: 2.496 ug/L
RT: 4.719 min Scan# 1051
Delta R.T. -0.003 min
Lab File: VU050083.D
Acq: 05 Aug 2022 00:14

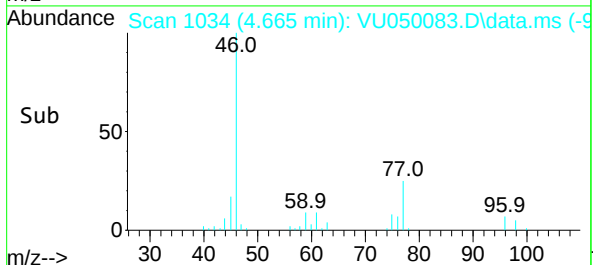
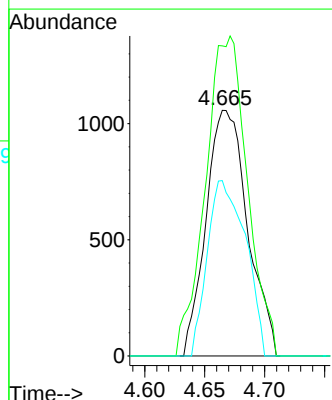
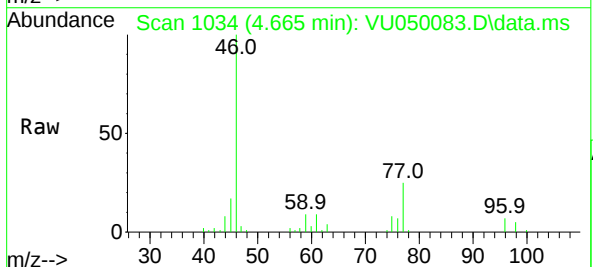
Instrument :
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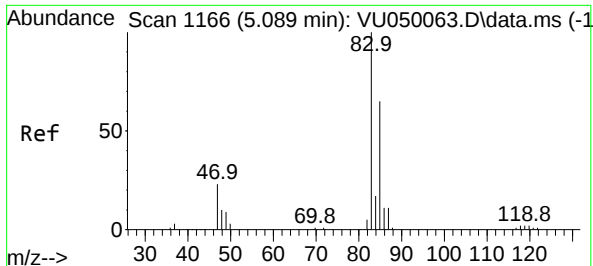
Tgt Ion: 43 Resp: 4153
Ion Ratio Lower Upper
43 100
72 32.3 14.0 42.0



#22
cis-1,2-Dichloroethene
Concen: 0.363 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.003 min
Lab File: VU050083.D
Acq: 05 Aug 2022 00:14

Tgt Ion: 96 Resp: 2552
Ion Ratio Lower Upper
96 100
61 126.2 89.0 165.4
98 71.4 45.2 84.0





#25

Chloroform

Concen: 0.076 ug/L

RT: 5.092 min Scan# 1166

Delta R.T. 0.003 min

Lab File: VU050083.D

Acq: 05 Aug 2022 00:14

Instrument :

MSVOA_U

ClientSampleId :

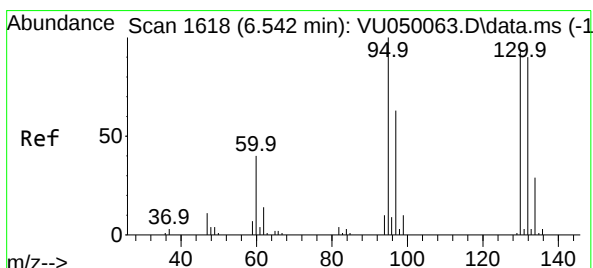
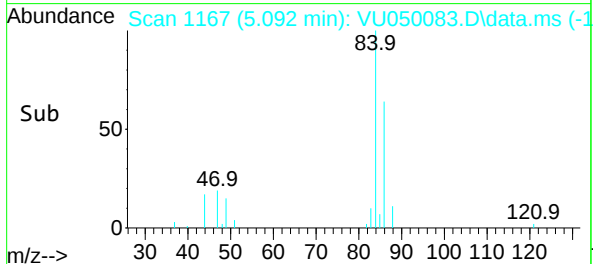
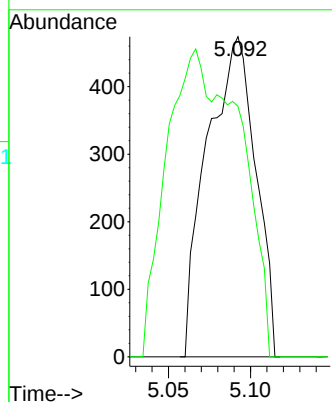
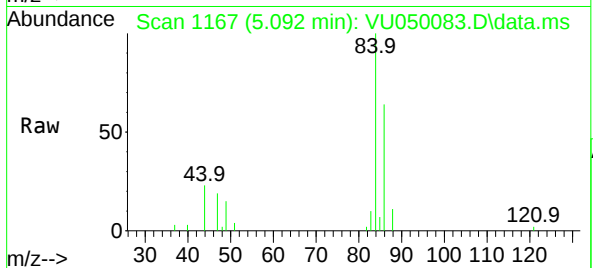
GBJH1

Tgt Ion: 83 Resp: 974

Ion Ratio Lower Upper

83 100

85 78.3 46.1 85.5



#34

Trichloroethene

Concen: 5.944 ug/L

RT: 6.542 min Scan# 1618

Delta R.T. -0.000 min

Lab File: VU050083.D

Acq: 05 Aug 2022 00:14

Tgt Ion: 95 Resp: 40542

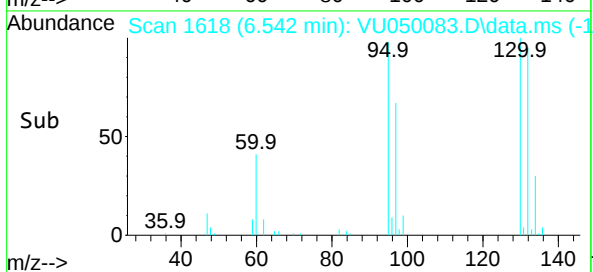
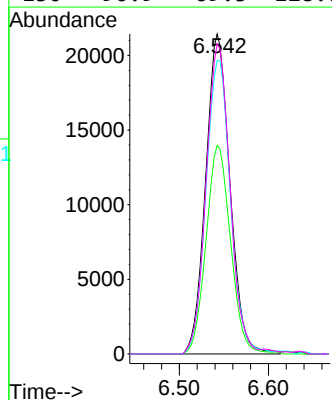
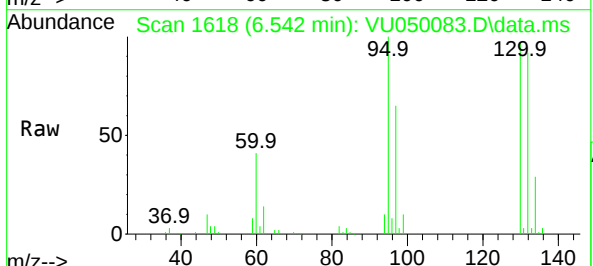
Ion Ratio Lower Upper

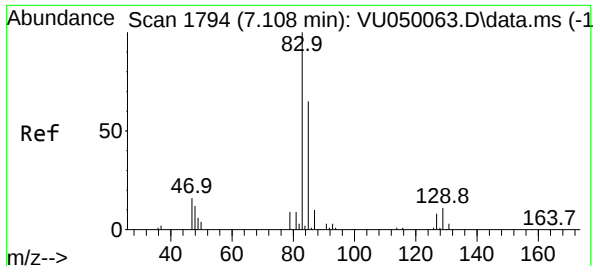
95 100

97 65.1 45.6 84.8

132 91.8 65.0 120.6

130 96.9 69.3 128.7





#38

Bromodichloromethane

Concen: 0.042 ug/L

RT: 7.105 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU050083.D

Acq: 05 Aug 2022 00:14

Instrument :

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GBJH1

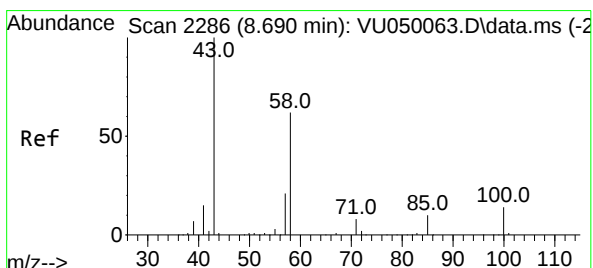
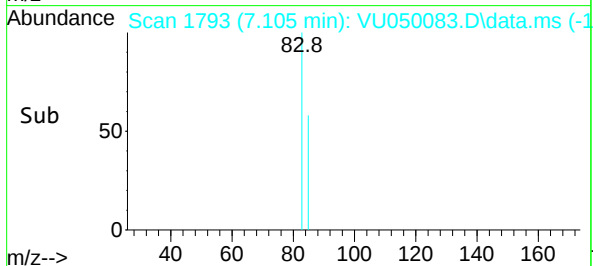
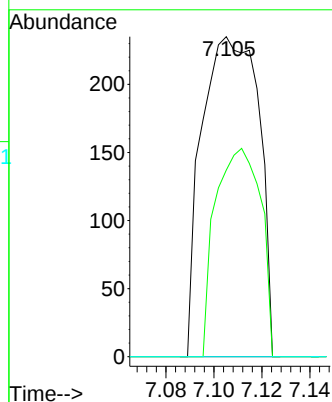
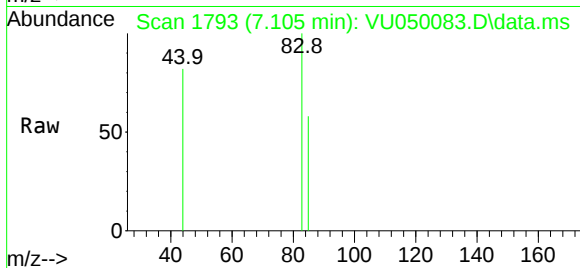
Tgt Ion: 83 Resp: 385

Ion Ratio Lower Upper

83 100

85 58.3 45.1 83.7

127 0.0 6.8 10.2#



#48

2-Hexanone

Concen: 5.628 ug/L

RT: 8.687 min Scan# 2285

Delta R.T. -0.003 min

Lab File: VU050083.D

Acq: 05 Aug 2022 00:14

Tgt Ion: 43 Resp: 18938

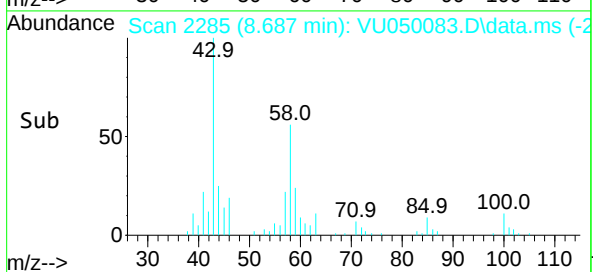
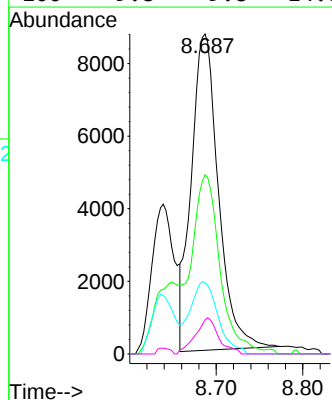
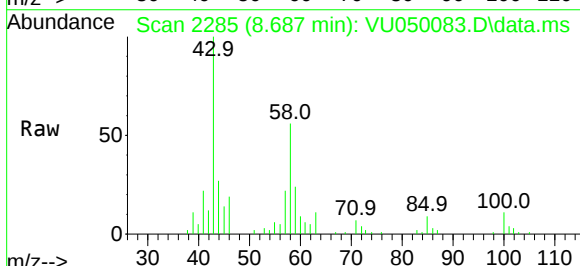
Ion Ratio Lower Upper

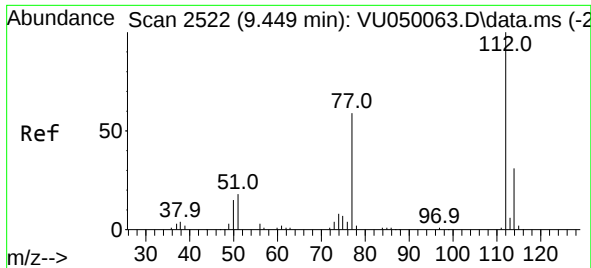
43 100

58 55.2 50.6 76.0

57 23.9 16.0 24.0

100 9.8 9.8 14.8

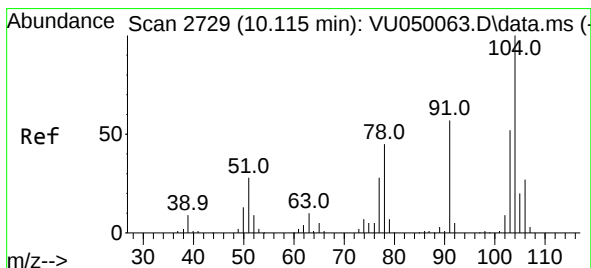
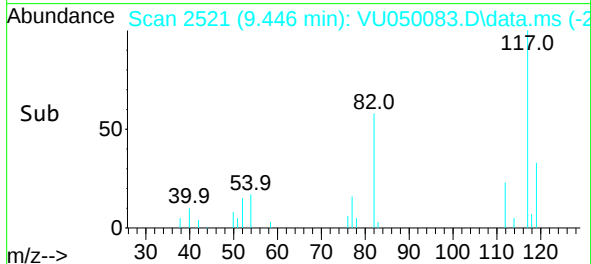
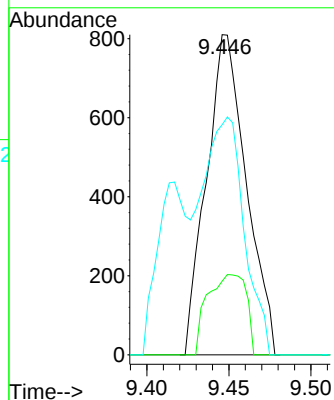
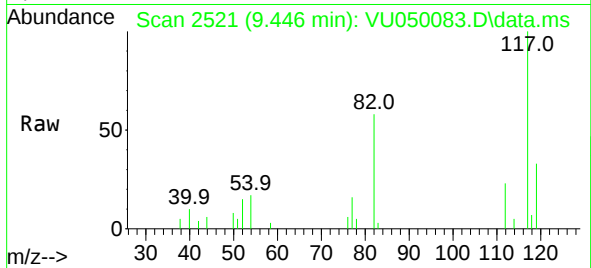




#51
Chlorobenzene
Concen: 0.077 ug/L
RT: 9.446 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU050083.D
Acq: 05 Aug 2022 00:14

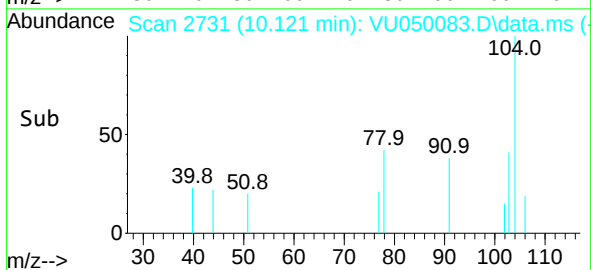
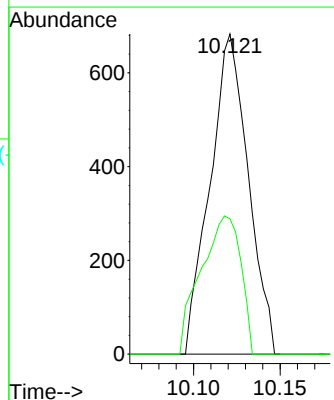
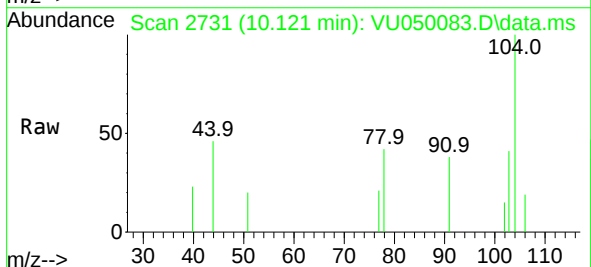
Instrument :
MSVOA_U
ClientSampleId :
GBJH1

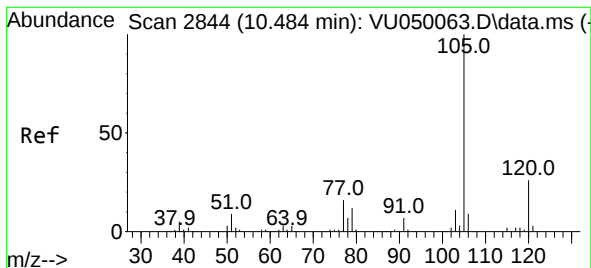
Tgt Ion:112	Resp:	1367
Ion Ratio	Lower	Upper
112	100	
114	23.0	22.1 41.1
77	71.9	46.3 69.5#



#55
Styrene
Concen: 0.062 ug/L
RT: 10.121 min Scan# 2731
Delta R.T. 0.006 min
Lab File: VU050083.D
Acq: 05 Aug 2022 00:14

Tgt Ion:104	Resp:	1047
Ion Ratio	Lower	Upper
104	100	
78	42.3	31.9 59.3





#60

Isopropylbenzene

Concen: 0.084 ug/L

RT: 10.484 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU050083.D

Acq: 05 Aug 2022 00:14

Instrument :

MSVOA_U

ClientSampleId :

GBJH1

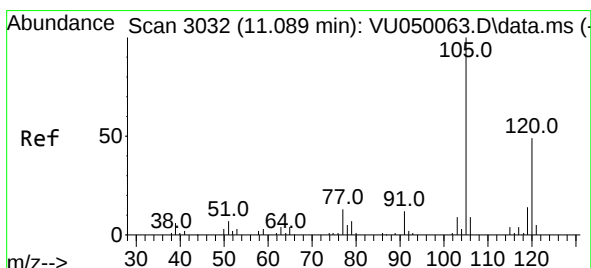
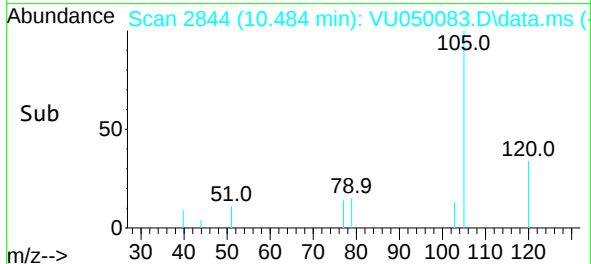
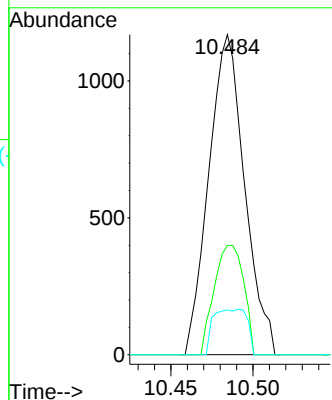
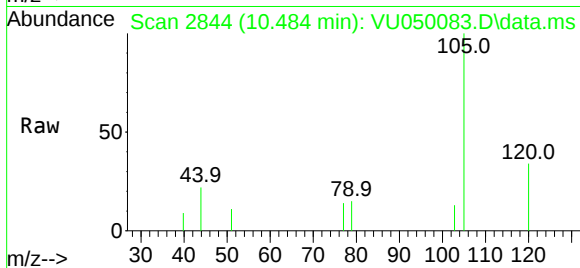
Tgt Ion:105 Resp: 1772

Ion Ratio Lower Upper

105 100

120 28.1 20.8 31.2

77 13.3 12.6 19.0



#62

1,3,5-Trimethylbenzene

Concen: 0.288 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.379 min

Lab File: VU050083.D

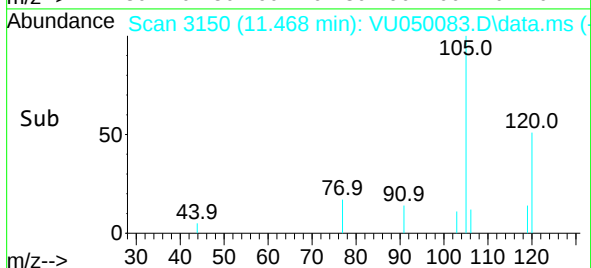
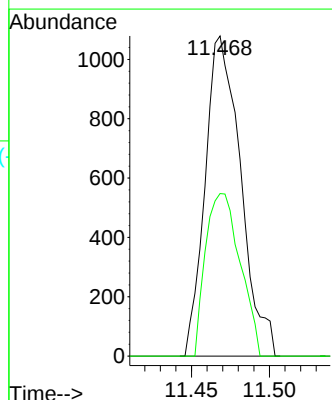
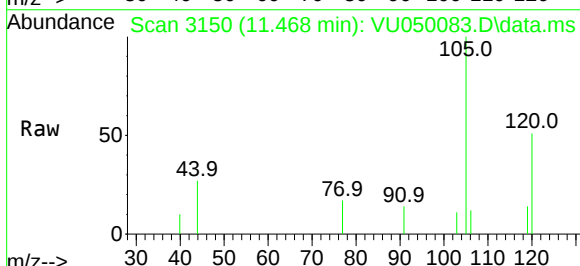
Acq: 05 Aug 2022 00:14

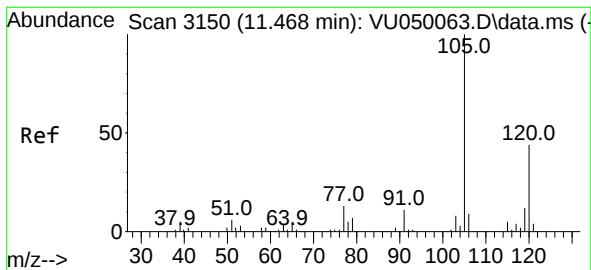
Tgt Ion:105 Resp: 1708

Ion Ratio Lower Upper

105 100

120 49.2 38.9 58.3





#63

1,2,4-Trimethylbenzene

Concen: 0.106 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU050083.D

Acq: 05 Aug 2022 00:14

Instrument :

MSVOA_U

ClientSampleId :

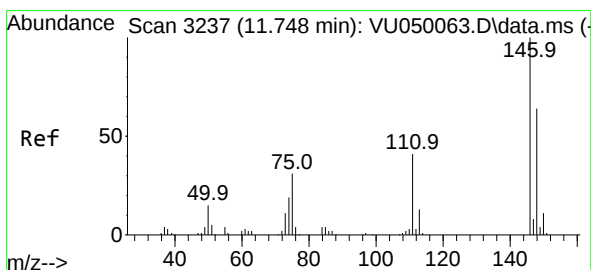
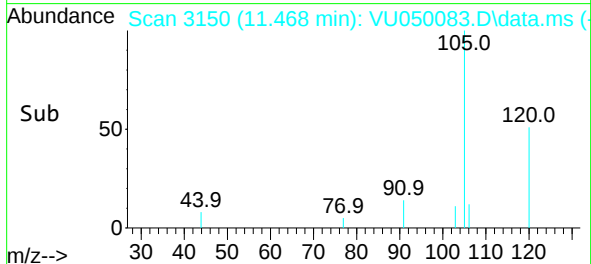
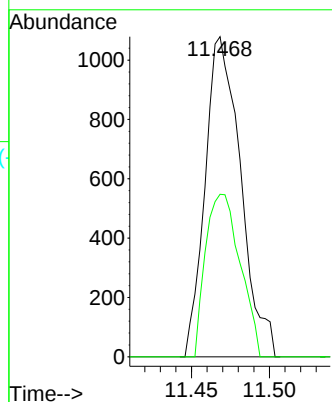
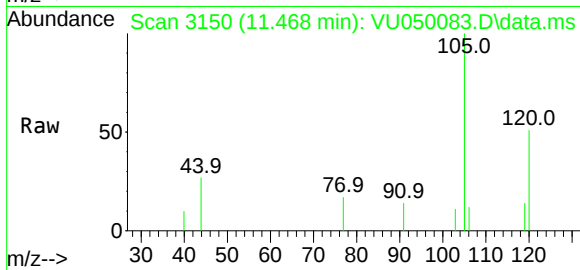
GBJH1

Tgt Ion:105 Resp: 1708

Ion Ratio Lower Upper

105 100

120 49.2 35.9 53.9



#64

1,3-Dichlorobenzene

Concen: 0.161 ug/L

RT: 11.748 min Scan# 3237

Delta R.T. -0.000 min

Lab File: VU050083.D

Acq: 05 Aug 2022 00:14

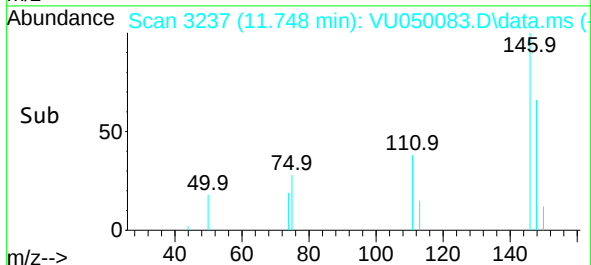
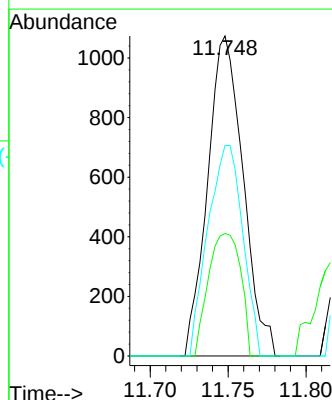
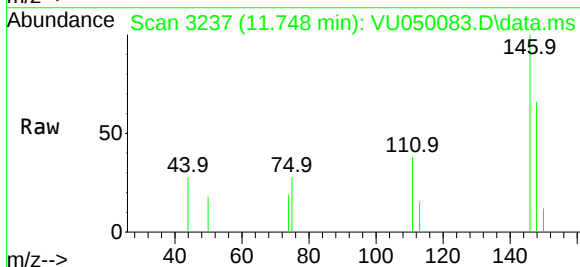
Tgt Ion:146 Resp: 1701

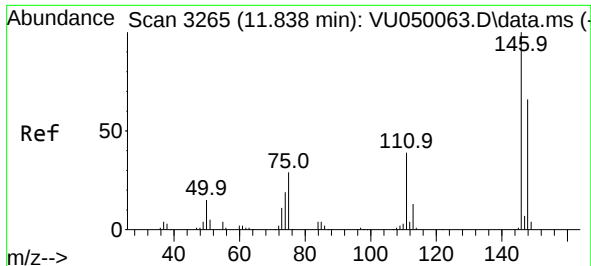
Ion Ratio Lower Upper

146 100

111 38.3 29.9 55.5

148 65.8 45.8 85.2

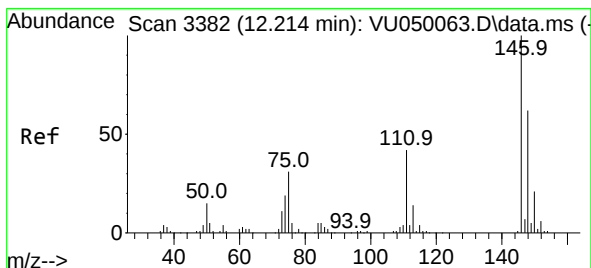
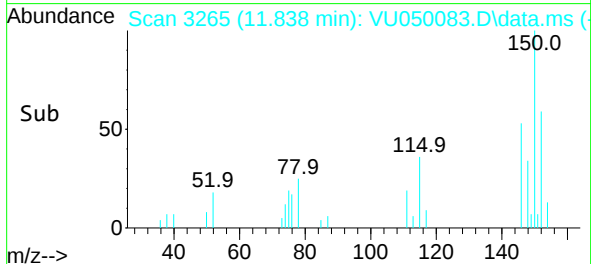
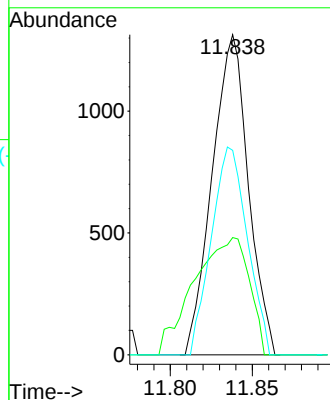
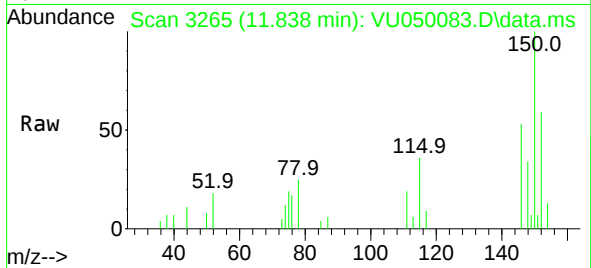




#65
1,4-Dichlorobenzene
Concen: 0.195 ug/L
RT: 11.838 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU050083.D
Acq: 05 Aug 2022 00:14

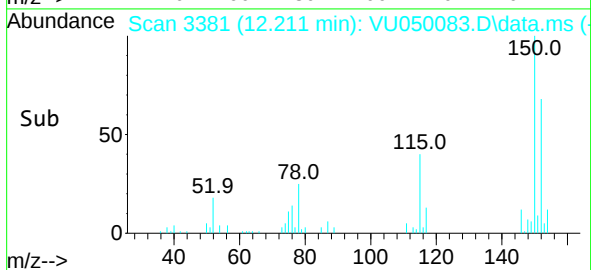
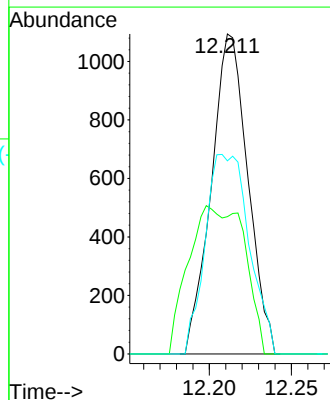
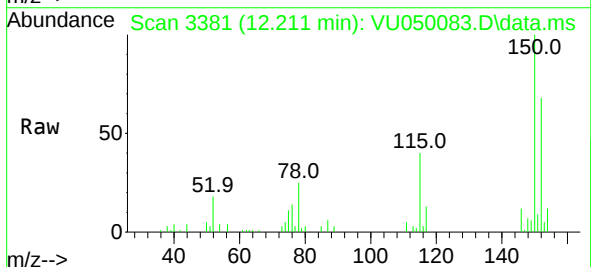
Instrument :
MSVOA_U
ClientSampleId :
GBJH1

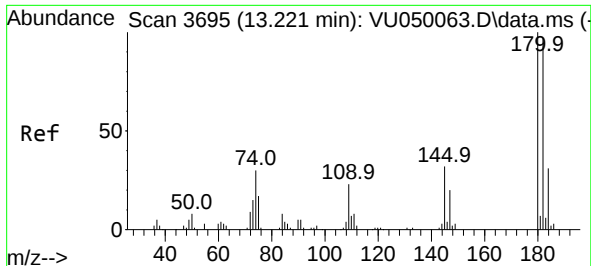
Tgt Ion:146 Resp: 2008
Ion Ratio Lower Upper
146 100
111 36.6 28.1 52.1
148 63.9 44.6 82.8



#67
1,2-Dichlorobenzene
Concen: 0.165 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. -0.003 min
Lab File: VU050083.D
Acq: 05 Aug 2022 00:14

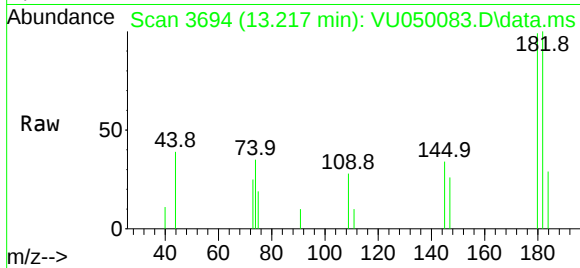
Tgt Ion:146 Resp: 1691
Ion Ratio Lower Upper
146 100
111 42.9 32.9 49.3
148 60.3 50.4 75.6



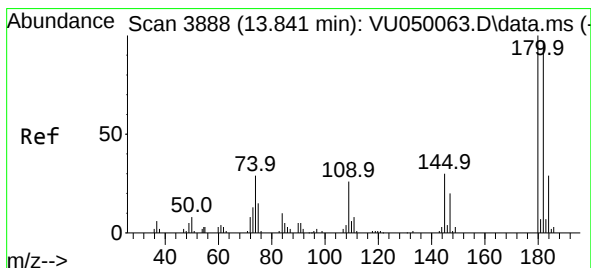
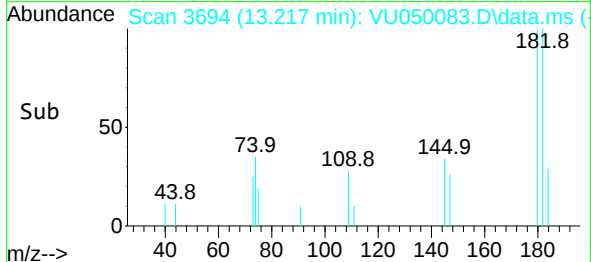
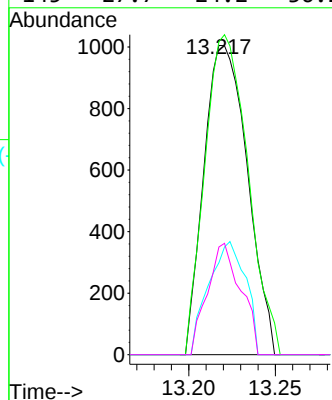


#69
1,3,5-Trichlorobenzene
Concen: 0.232 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. -0.003 min
Lab File: VU050083.D
Acq: 05 Aug 2022 00:14

Instrument :
MSVOA_U
ClientSampleId :
GBJH1

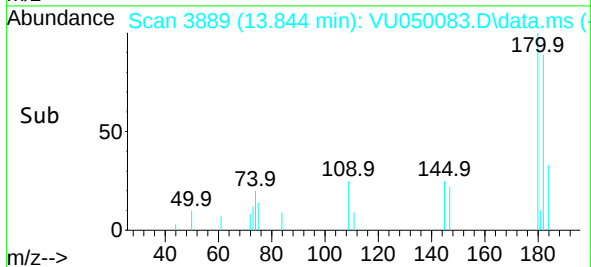
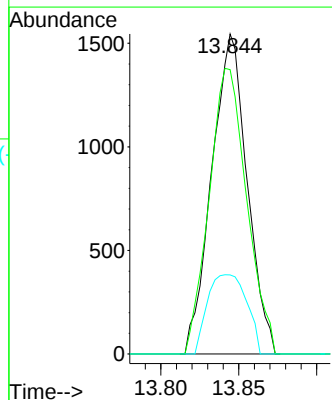
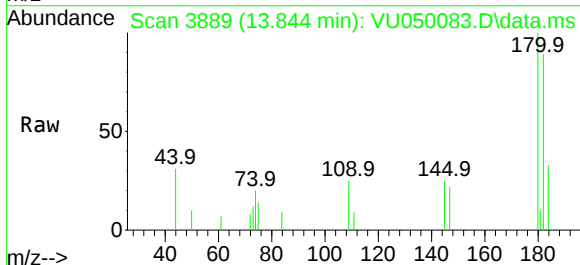


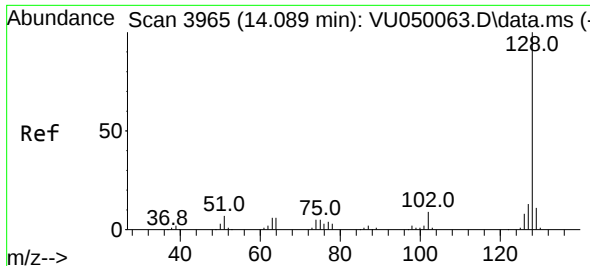
Tgt Ion:180 Resp: 1753
Ion Ratio Lower Upper
180 100
182 102.6 77.3 115.9
184 31.1 24.1 36.1
145 27.7 24.2 36.2



#70
1,2,4-trichlorobenzene
Concen: 0.426 ug/L
RT: 13.844 min Scan# 3889
Delta R.T. 0.003 min
Lab File: VU050083.D
Acq: 05 Aug 2022 00:14

Tgt Ion:180 Resp: 2436
Ion Ratio Lower Upper
180 100
182 94.7 76.9 115.3
145 27.4 24.2 36.4

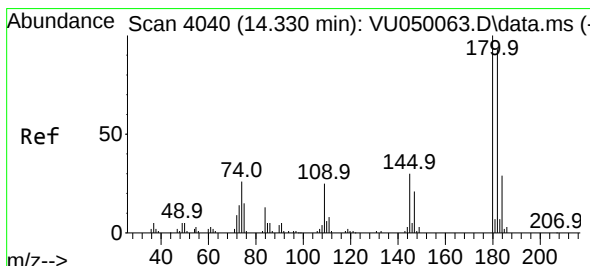
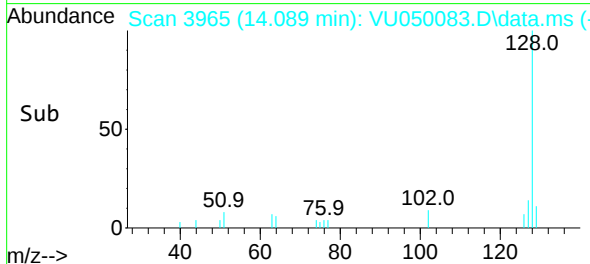
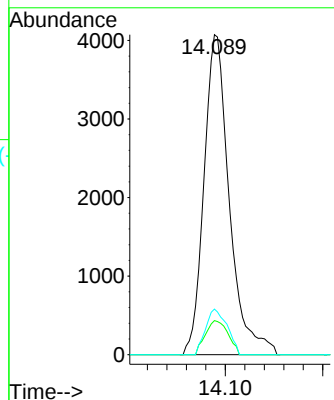
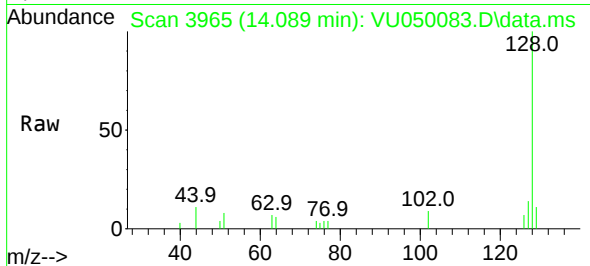




#71
Naphthalene
Concen: 0.628 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VU050083.D
Acq: 05 Aug 2022 00:14

Instrument :
MSVOA_U
ClientSampleId :
GBJH1

Tgt Ion:128	Resp:	7362	
Ion	Ratio	Lower	Upper
128	100		
129	9.5	8.6	12.8
127	12.1	10.6	16.0



#72
1,2,3-Trichlorobenzene
Concen: 0.442 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU050083.D
Acq: 05 Aug 2022 00:14

Tgt Ion:180	Resp:	2562	
Ion	Ratio	Lower	Upper
180	100		
182	89.4	77.5	116.3
145	27.9	25.8	38.6

