

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111122\
 Data File : VU051824.D
 Acq On : 11 Nov 2022 18:57
 Operator : JC/MD
 Sample : N5593-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AD2

Quant Time: Nov 12 01:24:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 12 01:22:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	211728	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	213207	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	84675	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	61707	3.870	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.400%
7) Chloroethane-d5	1.909	69	62570	3.762	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.200%
11) 1,1-Dichloroethene-d2	2.562	65	27301	4.717	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.400%
20) 2-Butanone-d5	4.620	46	210310	36.417	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	72.840%
24) Chloroform-d	5.064	84	149136	3.997	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.000%
26) 1,2-Dichloroethane-d4	5.700	65	77961	3.868	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.400%
32) Benzene-d6	5.726	84	288385	4.286	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.800%
36) 1,2-Dichloropropane-d6	6.691	67	100280	4.262	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.200%
41) Toluene-d8	7.896	98	230932	4.365	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.200%
43) trans-1,3-Dichloroprop...	8.179	79	29937	4.162	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.200%
46) 2-Hexanone-d5	8.629	63	193776	44.747	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.500%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	89259	4.140	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	84362	5.428	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.600%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	3028	0.168	ug/L #	55
12) 1,1-Dichloroethene	2.578	96	399559	21.708	ug/L #	86
18) trans-1,2-Dichloroethene	3.350	96	2259	0.114	ug/L	92
19) 1,1-Dichloroethane	3.868	63	33354	0.915	ug/L	100
22) cis-1,2-Dichloroethene	4.665	96	494518	22.624	ug/L	100
25) Chloroform	5.086	83	99283	2.627	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	1063688	36.745	ug/L	99
31) Carbon tetrachloride	5.523	117	18697	0.755	ug/L	97
34) Trichloroethene	6.539	95	1112704	54.800	ug/L	99
35) Methylcyclohexane	6.687	83	22020	0.784	ug/L #	19
37) 1,2-Dichloropropane	6.691	63	10060	0.465	ug/L #	88
38) Bromodichloromethane	7.112	83	1674	0.063	ug/L #	88
45) 1,1,2-Trichloroethane	8.559	97	127850	8.062	ug/L #	1
47) Tetrachloroethene	8.562	164	14612016	939.633	ug/L	85
49) Dibromochloromethane	8.559	129	14852360	819.843	ug/L #	10
61) 1,2,3-Trichloropropane	11.742	75	2011	0.184	ug/L #	40
64) 1,3-Dichlorobenzene	11.745	146	6461	0.210	ug/L	93
67) 1,2-Dichlorobenzene	12.211	146	3896	0.130	ug/L	90

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111122\
Data File : VU051824.D
Acq On : 11 Nov 2022 18:57
Operator : JC/MD
Sample : N5593-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AD2

Quant Time: Nov 12 01:24:22 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Nov 12 01:22:06 2022
Response via : Initial Calibration

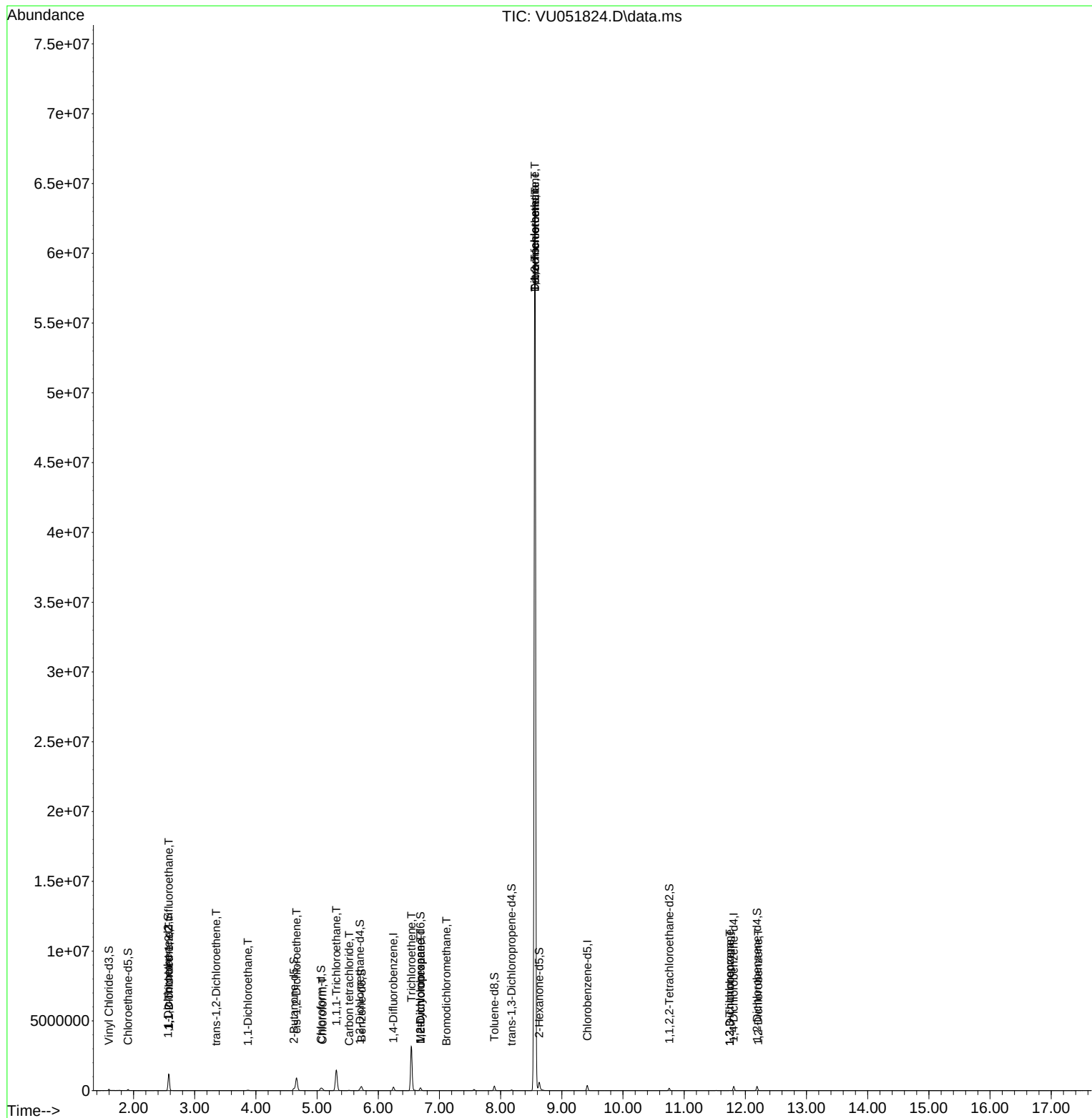
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

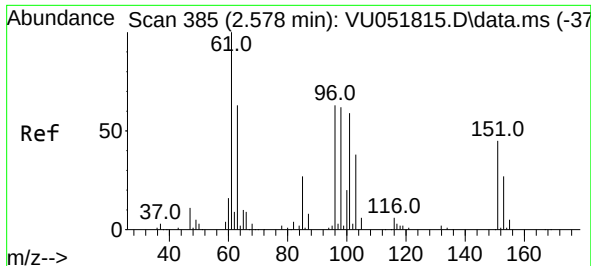
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111122\
Data File : VU051824.D
Acq On : 11 Nov 2022 18:57
Operator : JC/MD
Sample : N5593-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AD2

Quant Time: Nov 12 01:24:22 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Nov 12 01:22:06 2022
Response via : Initial Calibration





#10

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

Concen: 0.168 ug/L

RT: 2.575 min Scan# 3

Delta R.T. -0.003 min

Lab File: VU051824.D

Acq: 11 Nov 2022 18:57

Instrument :

MSVOA_U

ClientSampleId :

H0AD2

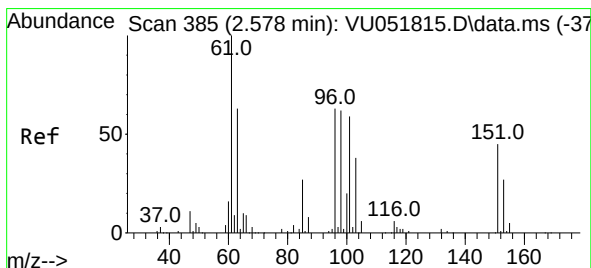
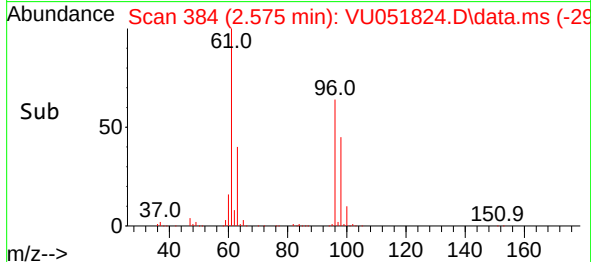
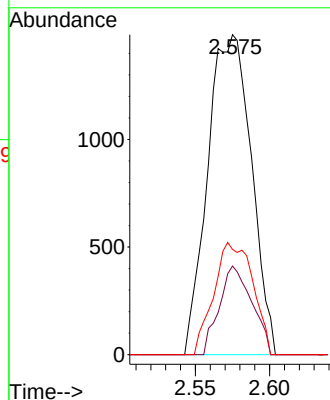
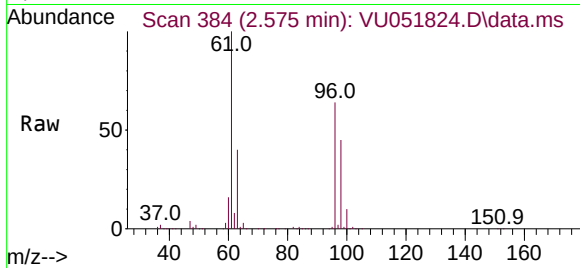
Tgt Ion:101 Resp: 3028

Ion Ratio Lower Upper

101 100

85 20.7 35.6 53.4#

151 31.5 59.6 89.4#



#12

1,1-Dichloroethene

Concen: 21.708 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU051824.D

Acq: 11 Nov 2022 18:57

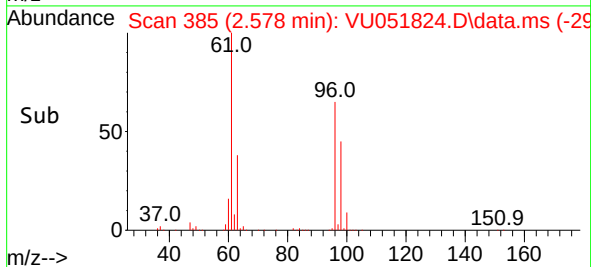
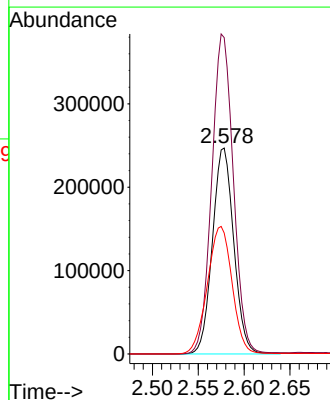
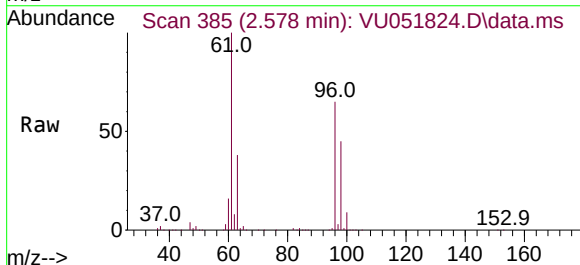
Tgt Ion: 96 Resp: 399559

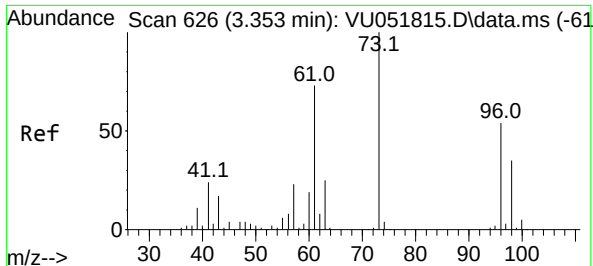
Ion Ratio Lower Upper

96 100

61 153.6 108.8 202.0

63 58.7 64.9 120.5#





#18

trans-1,2-Dichloroethene

Concen: 0.114 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU051824.D

Acq: 11 Nov 2022 18:57

Instrument :

MSVOA_U

ClientSampleId :

H0AD2

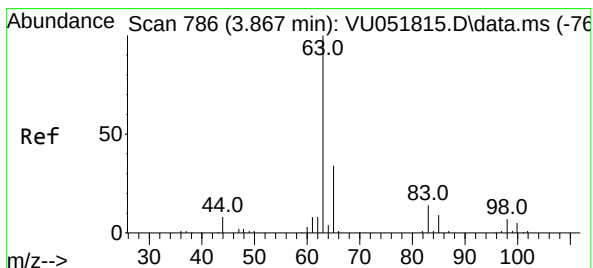
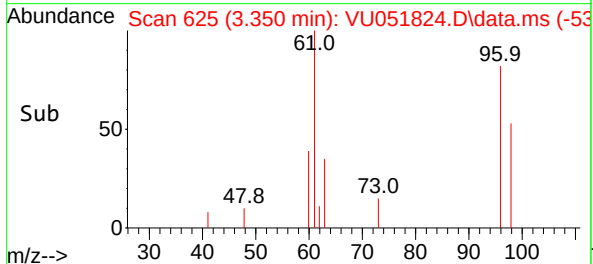
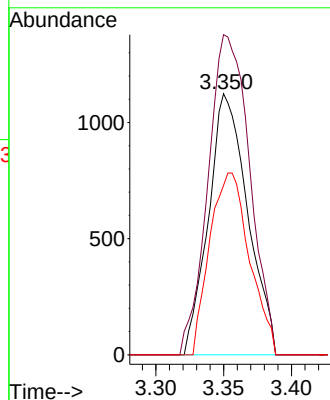
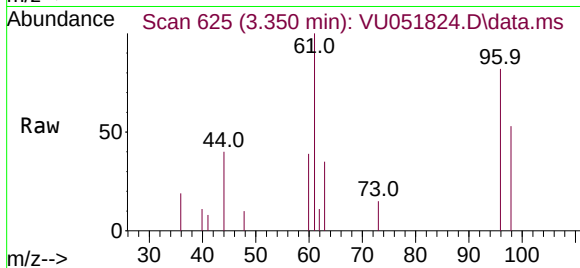
Tgt Ion: 96 Resp: 2259

Ion Ratio Lower Upper

96 100

61 122.6 94.7 175.9

98 64.9 44.2 82.0



#19

1,1-Dichloroethane

Concen: 0.915 ug/L

RT: 3.868 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU051824.D

Acq: 11 Nov 2022 18:57

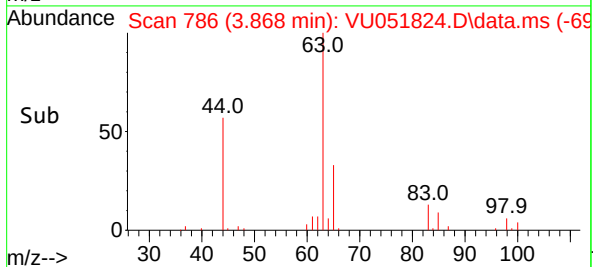
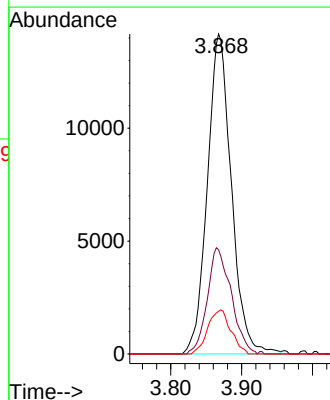
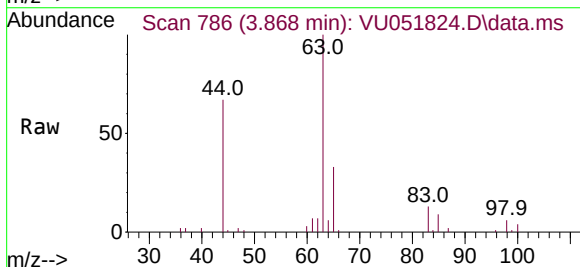
Tgt Ion: 63 Resp: 33354

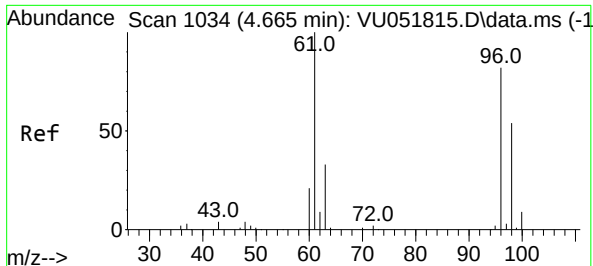
Ion Ratio Lower Upper

63 100

65 32.6 22.7 42.1

83 13.4 9.2 17.0





#22

cis-1,2-Dichloroethene

Concen: 22.624 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU051824.D

Acq: 11 Nov 2022 18:57

Instrument :

MSVOA_U

ClientSampleId :

H0AD2

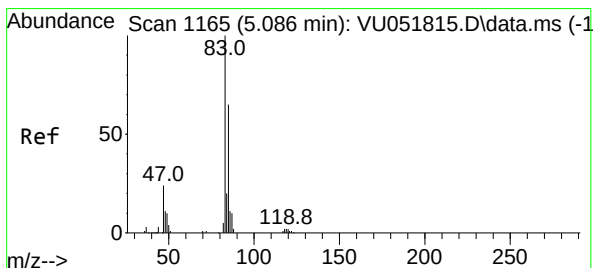
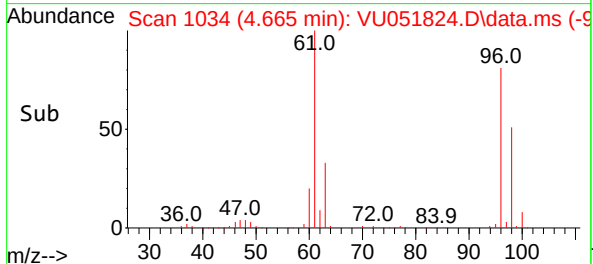
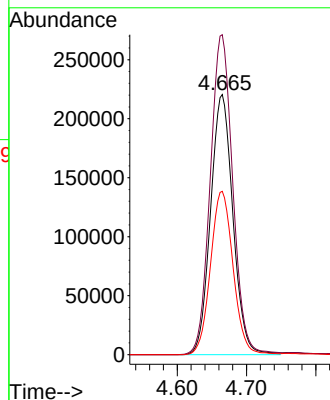
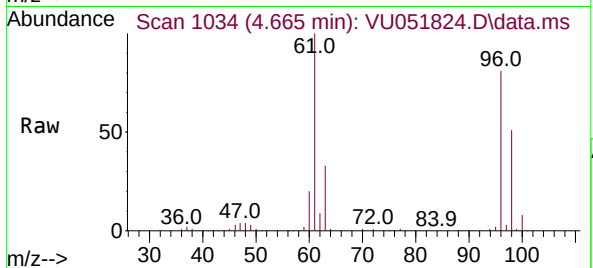
Tgt Ion: 96 Resp: 494518

Ion Ratio Lower Upper

96 100

61 123.0 86.4 160.4

98 62.8 44.2 82.2



#25

Chloroform

Concen: 2.627 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051824.D

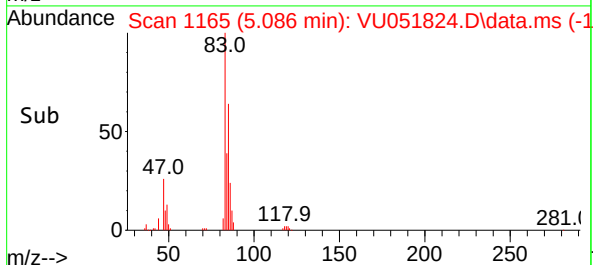
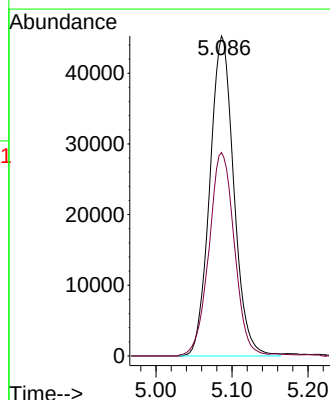
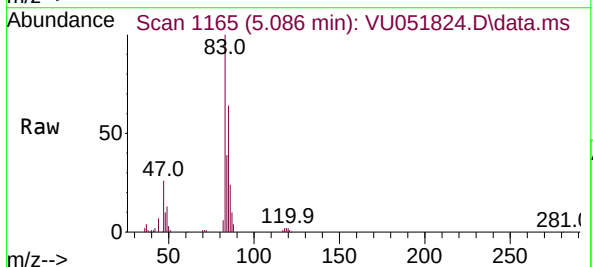
Acq: 11 Nov 2022 18:57

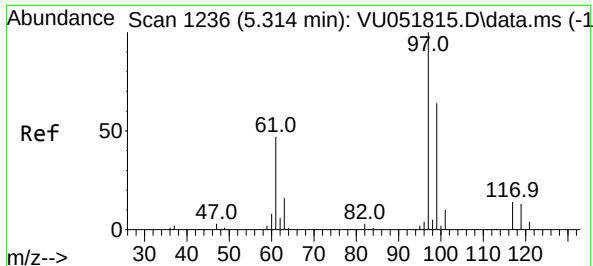
Tgt Ion: 83 Resp: 99283

Ion Ratio Lower Upper

83 100

85 63.6 45.2 84.0

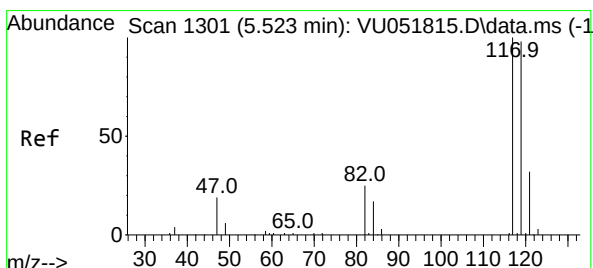
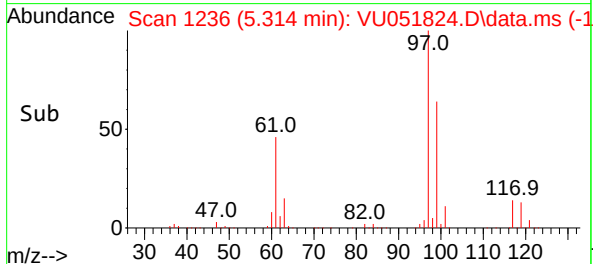
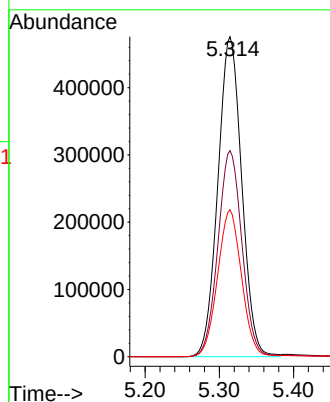
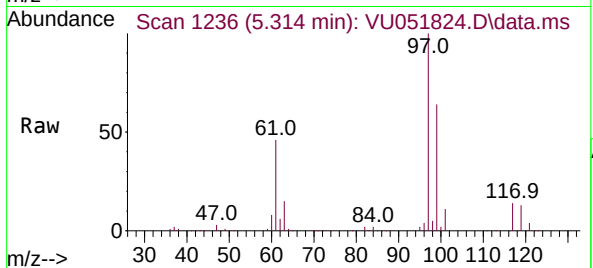




#29
1,1,1-Trichloroethane
Concen: 36.745 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. 0.000 min
Lab File: VU051824.D
Acq: 11 Nov 2022 18:57

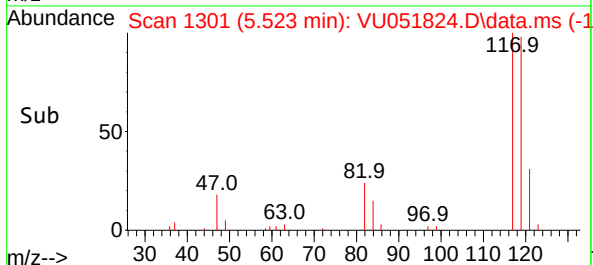
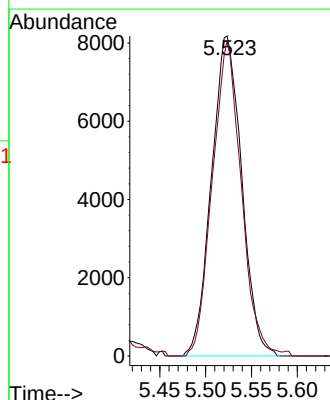
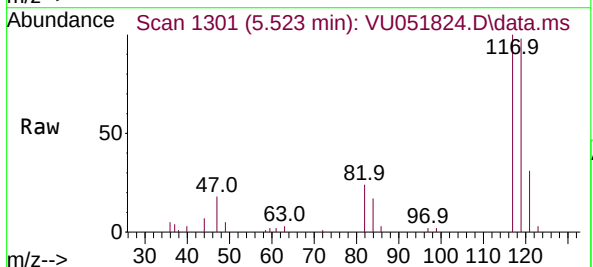
Instrument :
MSVOA_U
ClientSampleId :
H0AD2

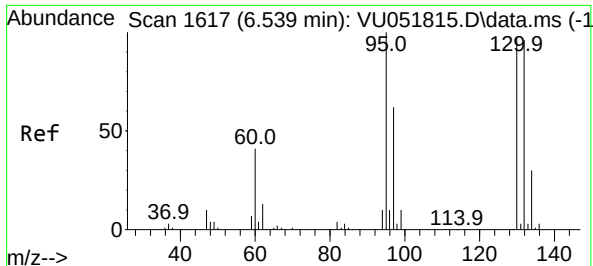
Tgt Ion: 97 Resp: 1063688
Ion Ratio Lower Upper
97 100
99 64.8 51.1 76.7
61 46.3 37.4 56.0



#31
Carbon tetrachloride
Concen: 0.755 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. 0.000 min
Lab File: VU051824.D
Acq: 11 Nov 2022 18:57

Tgt Ion: 117 Resp: 18697
Ion Ratio Lower Upper
117 100
119 94.2 77.5 116.3

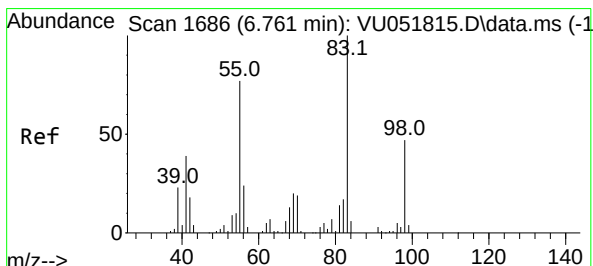
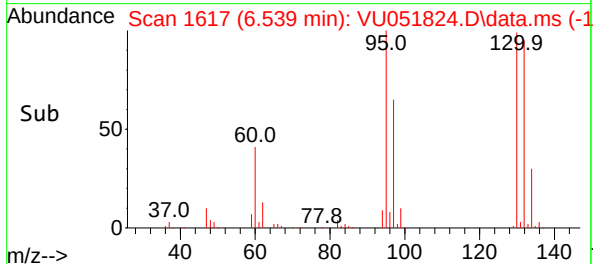
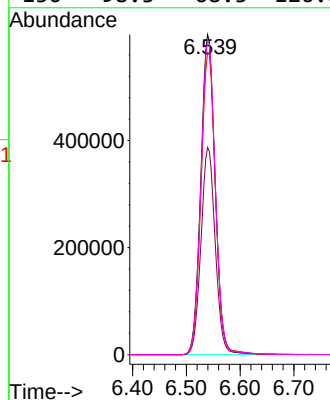
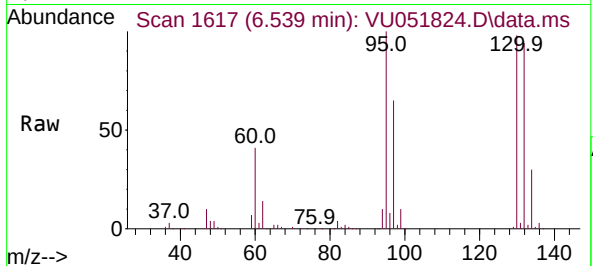




#34
Trichloroethene
Concen: 54.800 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU051824.D
Acq: 11 Nov 2022 18:57

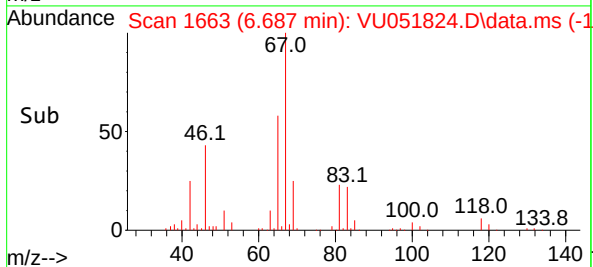
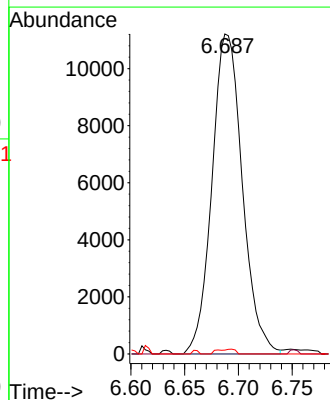
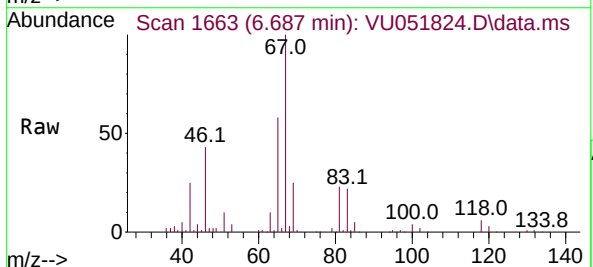
Instrument :
MSVOA_U
ClientSampleId :
H0AD2

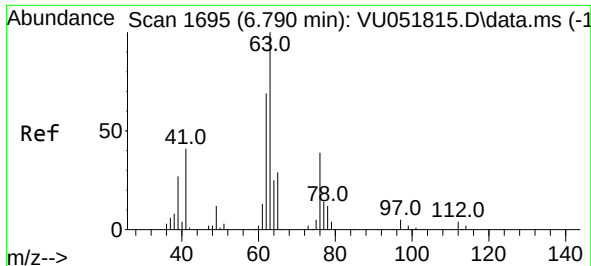
Tgt Ion: 95 Resp: 1112704
Ion Ratio Lower Upper
95 100
97 64.7 45.2 84.0
132 94.3 66.5 123.5
130 98.3 68.3 126.8



#35
Methylcyclohexane
Concen: 0.784 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.074 min
Lab File: VU051824.D
Acq: 11 Nov 2022 18:57

Tgt Ion: 83 Resp: 22020
Ion Ratio Lower Upper
83 100
55 0.3 60.6 90.8#
98 0.0 35.8 53.6#





#37

1,2-Dichloropropane

Concen: 0.465 ug/L

RT: 6.691 min Scan# 1

Delta R.T. -0.099 min

Lab File: VU051824.D

Acq: 11 Nov 2022 18:57

Instrument :

MSVOA_U

ClientSampleId :

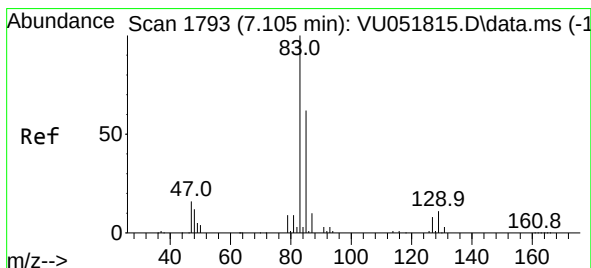
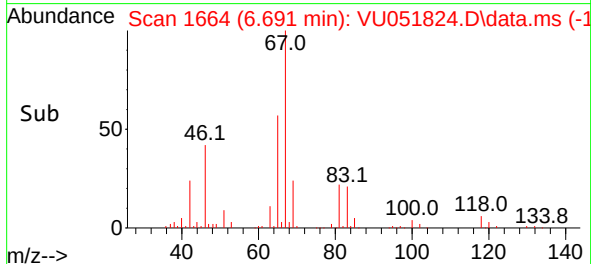
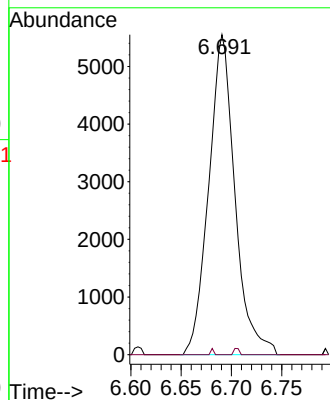
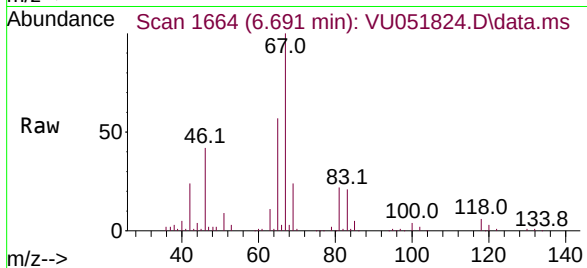
H0AD2

Tgt Ion: 63 Resp: 10060

Ion Ratio Lower Upper

63 100

112 0.2 3.3 4.9#



#38

Bromodichloromethane

Concen: 0.063 ug/L

RT: 7.112 min Scan# 1795

Delta R.T. 0.007 min

Lab File: VU051824.D

Acq: 11 Nov 2022 18:57

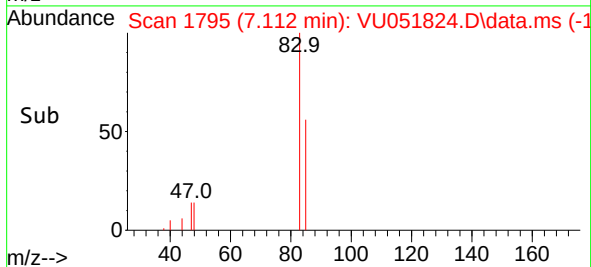
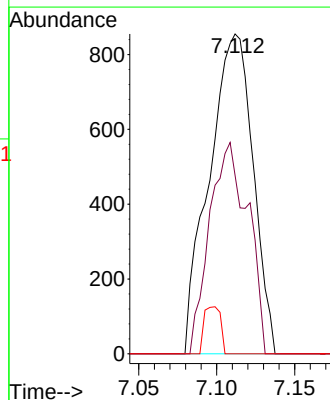
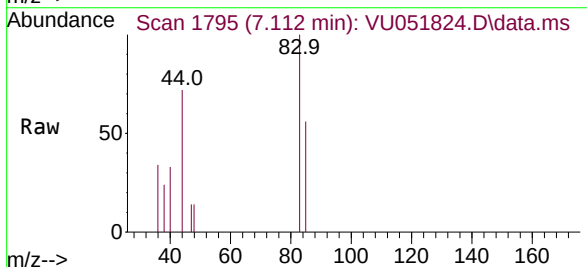
Tgt Ion: 83 Resp: 1674

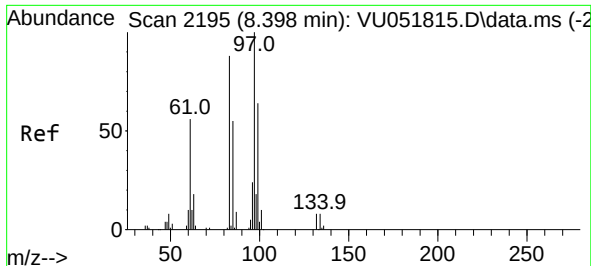
Ion Ratio Lower Upper

83 100

85 55.8 45.1 83.7

127 0.0 6.6 9.8#

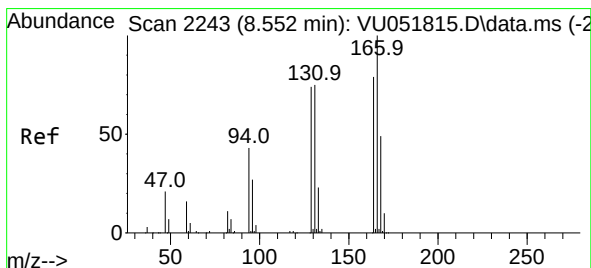
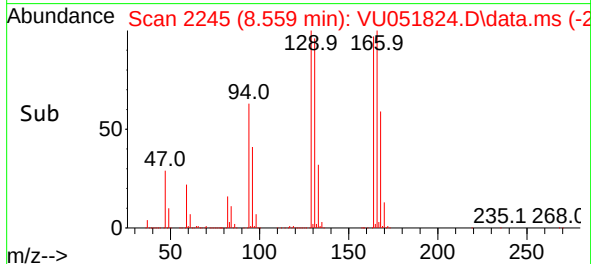
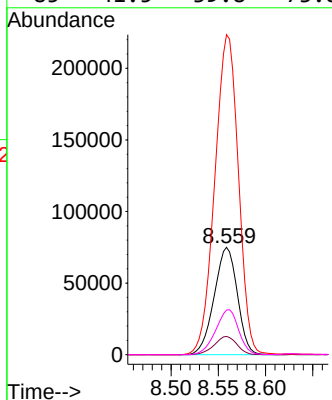
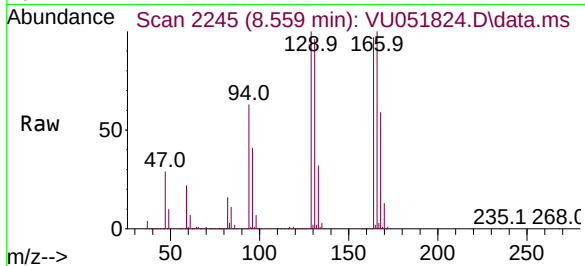




#45
1,1,2-Trichloroethane
Concen: 8.062 ug/L
RT: 8.559 min Scan# 2195
Delta R.T. 0.161 min
Lab File: VU051824.D
Acq: 11 Nov 2022 18:57

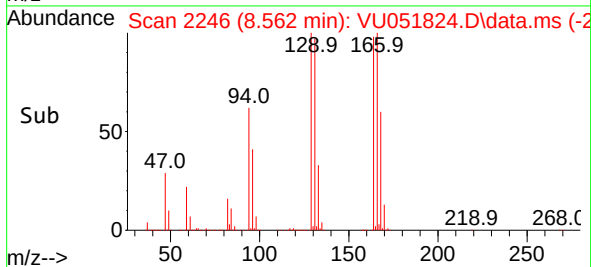
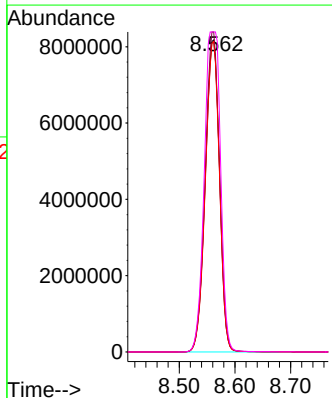
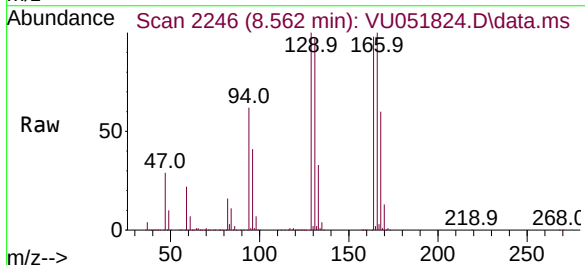
Instrument :
MSVOA_U
ClientSampleId :
H0AD2

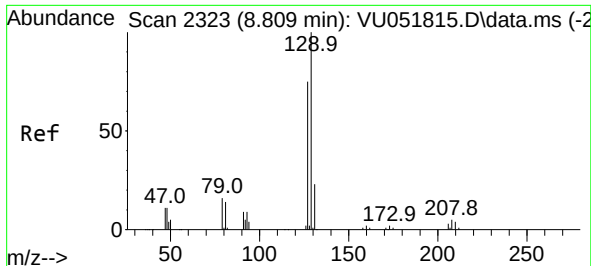
Tgt Ion: 97 Resp: 127850
Ion Ratio Lower Upper
97 100
99 17.0 43.4 80.6#
83 298.1 61.3 113.9#
85 41.5 39.8 73.8



#47
Tetrachloroethene
Concen: 939.633 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. 0.010 min
Lab File: VU051824.D
Acq: 11 Nov 2022 18:57

Tgt Ion: 164 Resp: 14612016
Ion Ratio Lower Upper
164 100
129 102.6 64.0 118.8
131 99.5 60.7 112.7
166 102.6 86.8 161.2

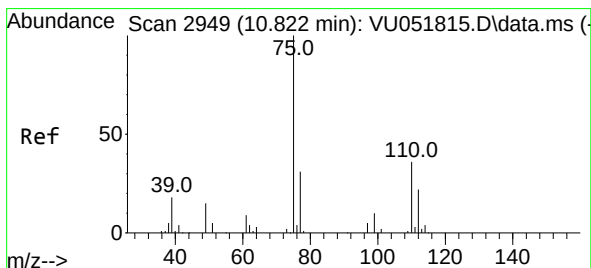
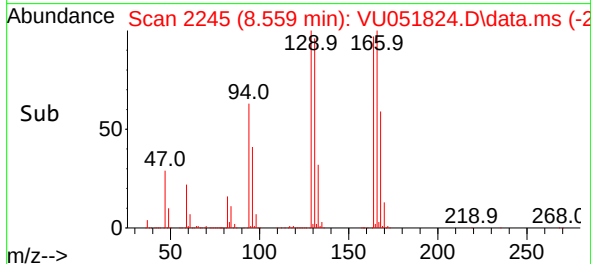
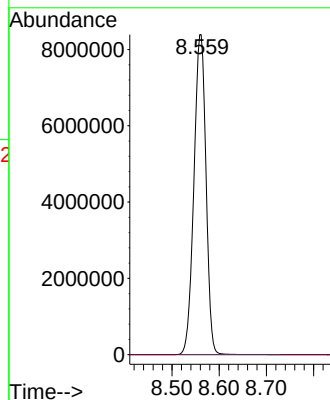
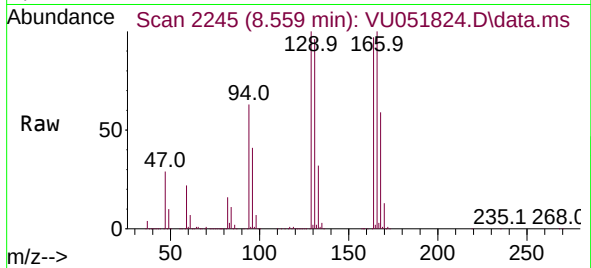




#49
Dibromochloromethane
Concen: 819.843 ug/L
RT: 8.559 min Scan# 21
Delta R.T. -0.251 min
Lab File: VU051824.D
Acq: 11 Nov 2022 18:57

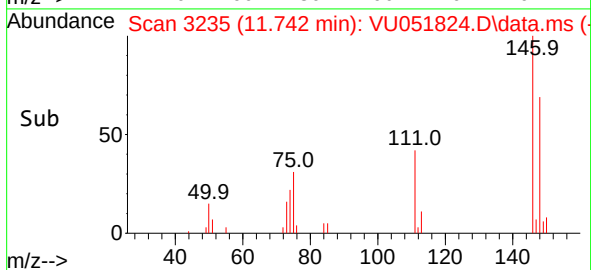
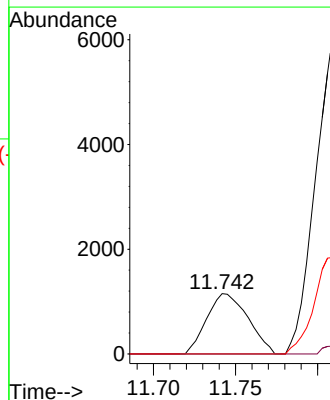
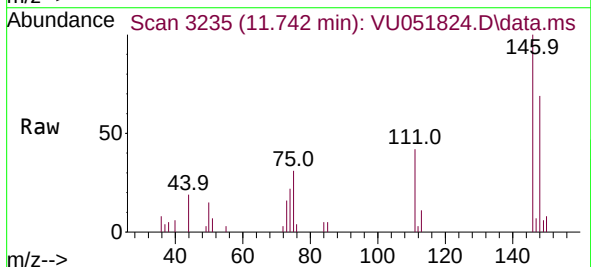
Instrument :
MSVOA_U
ClientSampleId :
H0AD2

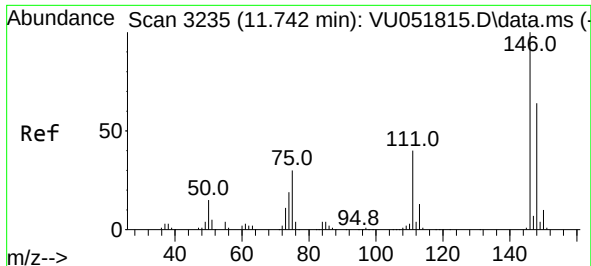
Tgt Ion:129 Resp:14852360
Ion Ratio Lower Upper
129 100
127 0.0 54.8 101.8#



#61
1,2,3-Trichloropropane
Concen: 0.184 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.920 min
Lab File: VU051824.D
Acq: 11 Nov 2022 18:57

Tgt Ion: 75 Resp: 2011
Ion Ratio Lower Upper
75 100
110 0.0 28.7 43.1#
77 0.0 26.1 39.1#

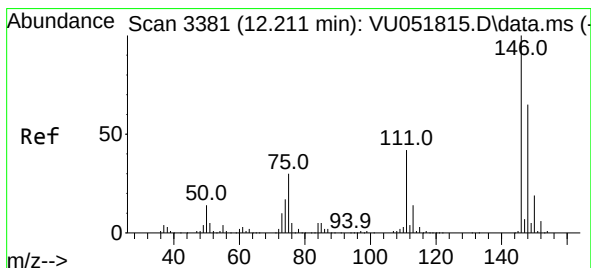
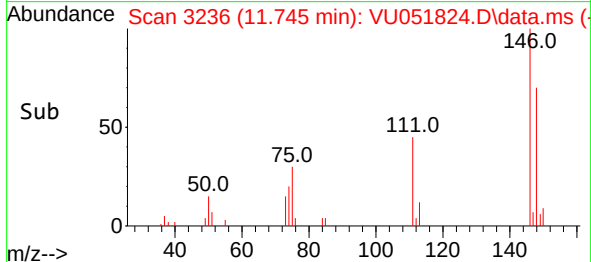
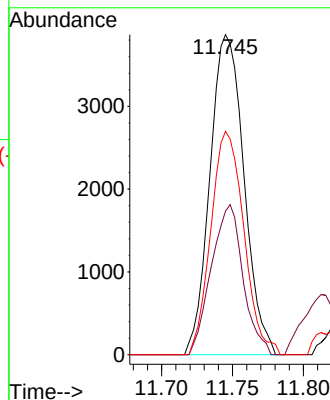
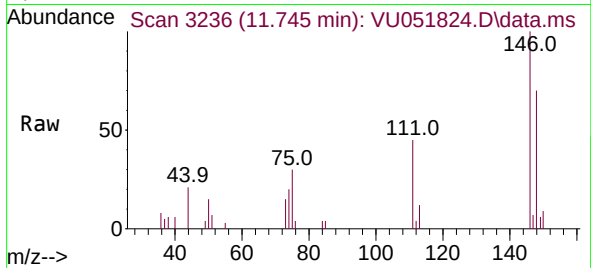




#64
1,3-Dichlorobenzene
Concen: 0.210 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU051824.D
Acq: 11 Nov 2022 18:57

Instrument :
MSVOA_U
ClientSampleId :
H0AD2

Tgt Ion:146 Resp: 6461
Ion Ratio Lower Upper
146 100
111 44.8 28.6 53.2
148 69.8 44.7 82.9



#67
1,2-Dichlorobenzene
Concen: 0.130 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU051824.D
Acq: 11 Nov 2022 18:57

Tgt Ion:146 Resp: 3896
Ion Ratio Lower Upper
146 100
111 46.3 34.2 51.2
148 53.2 50.1 75.1

