

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111422\
 Data File : VU051844.D
 Acq On : 14 Nov 2022 19:14
 Operator : JC/MD
 Sample : N5592-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 15 03:05:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 15 03:00:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	179497	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	185415	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	67009	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	52594	3.890	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.800%
7) Chloroethane-d5	1.909	69	56442	4.003	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.000%
11) 1,1-Dichloroethene-d2	2.565	65	23826	4.856	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.200%
20) 2-Butanone-d5	4.617	46	185327	37.853	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.700%
24) Chloroform-d	5.060	84	137608	4.350	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.000%
26) 1,2-Dichloroethane-d4	5.700	65	70783	4.142	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.800%
32) Benzene-d6	5.726	84	252875	4.322	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
36) 1,2-Dichloropropane-d6	6.687	67	92785	4.535	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.600%
41) Toluene-d8	7.896	98	197094	4.283	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.600%
43) trans-1,3-Dichloroprop...	8.179	79	21916	3.503	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.000%
46) 2-Hexanone-d5	8.629	63	161124	42.784	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.560%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	83079	4.431	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.600%
66) 1,2-Dichlorobenzene-d4	12.189	152	70091	5.699	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	2076	0.106	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	4063	0.266	ug/L #	35
12) 1,1-Dichloroethene	2.578	96	1371642	87.901	ug/L #	84
17) Methyl tert-butyl Ether	3.363	73	15150	0.423	ug/L	98
18) trans-1,2-Dichloroethene	3.350	96	1438	0.086	ug/L	99
19) 1,1-Dichloroethane	3.867	63	60525	1.959	ug/L	98
22) cis-1,2-Dichloroethene	4.665	96	119082	6.426	ug/L	97
25) Chloroform	5.086	83	103871	3.241	ug/L	96
27) 1,2-Dichloroethane	5.800	62	2384	0.121	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	23725	0.942	ug/L	97
31) Carbon tetrachloride	5.523	117	20471	0.951	ug/L	96
33) Benzene	5.774	78	19719	0.269	ug/L	100
34) Trichloroethene	6.543	95	7570448	428.725	ug/L	97
35) Methylcyclohexane	6.690	83	20129	0.824	ug/L #	19
38) Bromodichloromethane	7.102	83	1084	0.047	ug/L #	85
45) 1,1,2-Trichloroethane	8.398	97	3791	0.275	ug/L	89
47) Tetrachloroethene	8.559	164	12607196	932.230	ug/L	90
49) Dibromochloromethane	8.559	129	12774544	810.844	ug/L #	10
65) 1,4-Dichlorobenzene	11.832	146	3352	0.137	ug/L	93

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MSVOA_U
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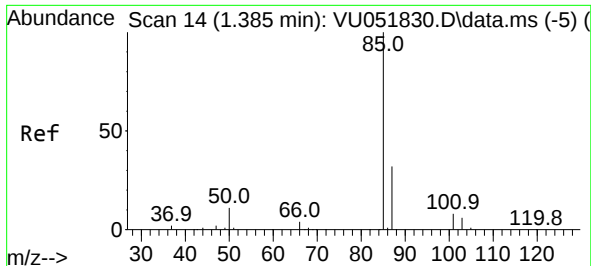
Quant Time: Nov 15 03:05:45 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Nov 15 03:00:15 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.211	146	3524	0.149	ug/L	90

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
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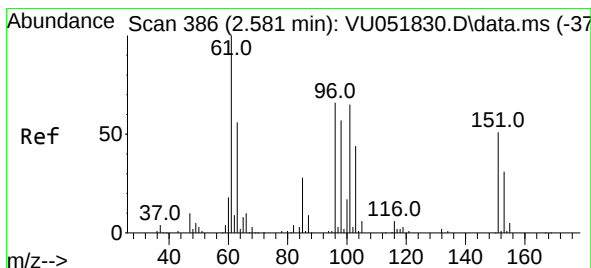
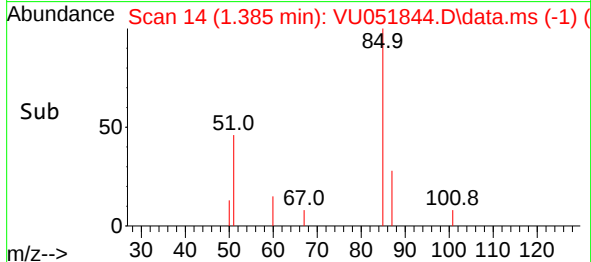
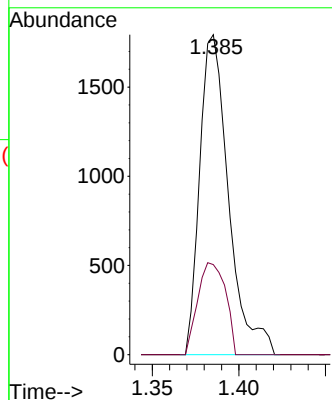
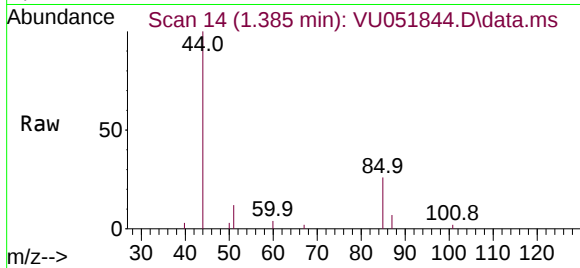




#2
Dichlorodifluoromethane
Concen: 0.106 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU051844.D
Acq: 14 Nov 2022 19:14

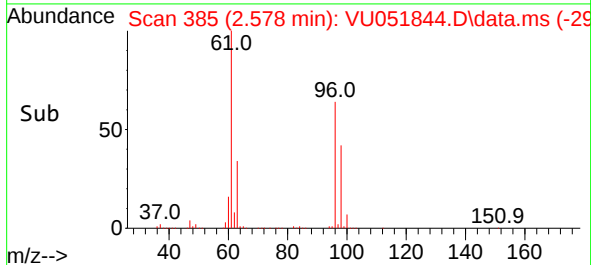
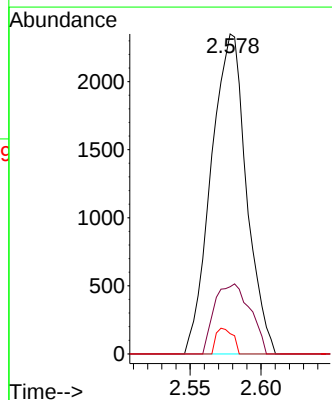
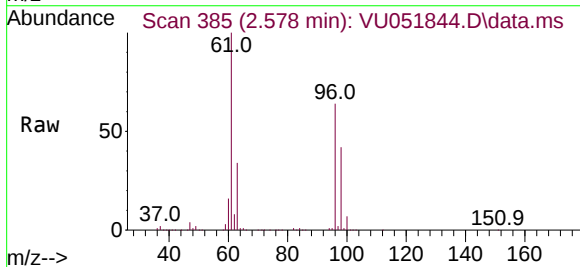
Instrument :
MSVOA_U
ClientSampleId :

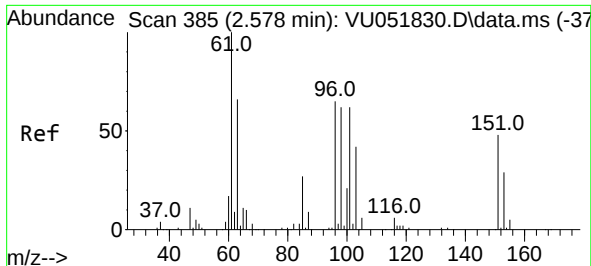
Tgt Ion: 85 Resp: 2076
Ion Ratio Lower Upper
85 100
87 27.5 25.7 38.5



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.266 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU051844.D
Acq: 14 Nov 2022 19:14

Tgt Ion:101 Resp: 4063
Ion Ratio Lower Upper
101 100
85 22.1 35.6 53.4#
151 3.8 59.6 89.4#

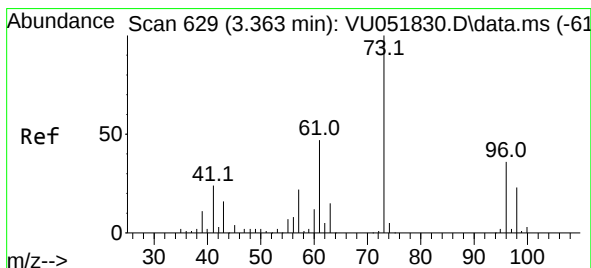
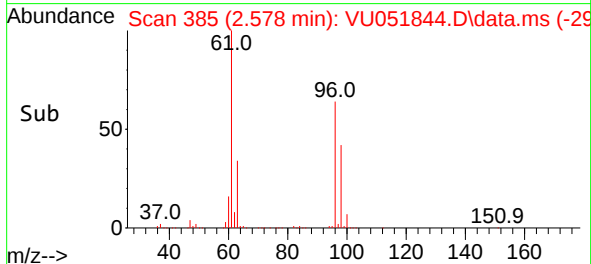
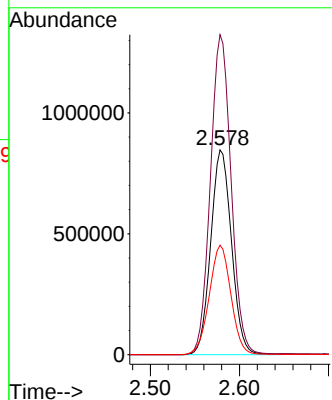
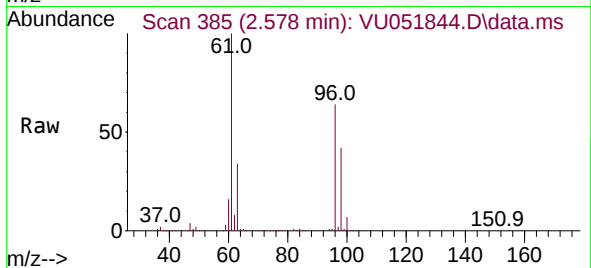




#12
1,1-Dichloroethene
Concen: 87.901 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU051844.D
Acq: 14 Nov 2022 19:14

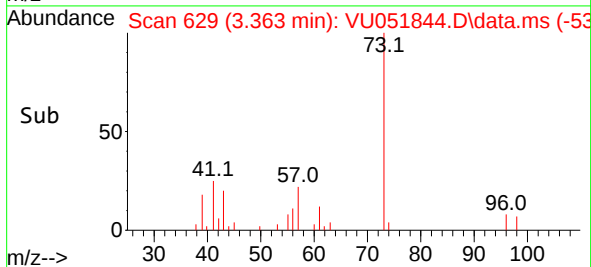
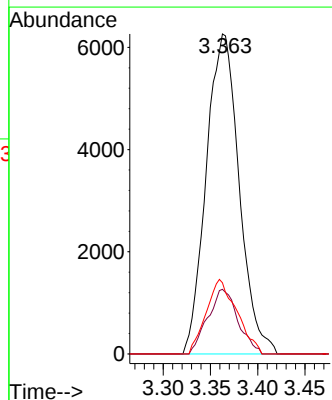
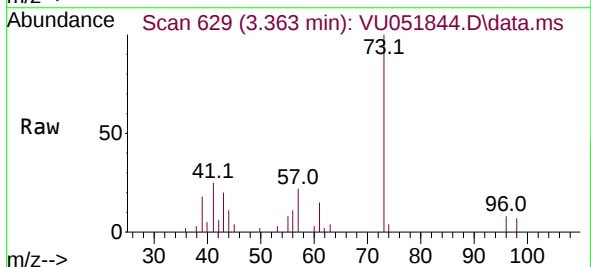
Instrument :
MSVOA_U
ClientSampleId :

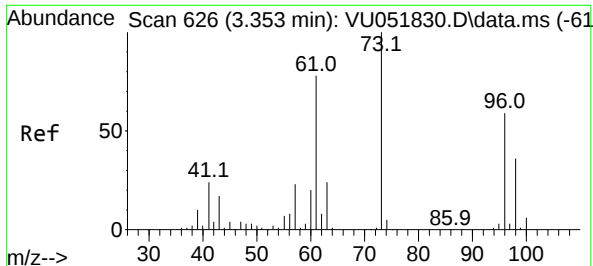
Tgt Ion: 96 Resp: 1371642
Ion Ratio Lower Upper
96 100
61 156.2 108.8 202.0
63 53.4 64.9 120.5#



#17
Methyl tert-butyl Ether
Concen: 0.423 ug/L
RT: 3.363 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU051844.D
Acq: 14 Nov 2022 19:14

Tgt Ion: 73 Resp: 15150
Ion Ratio Lower Upper
73 100
43 18.5 13.6 20.4
57 21.7 17.5 26.3

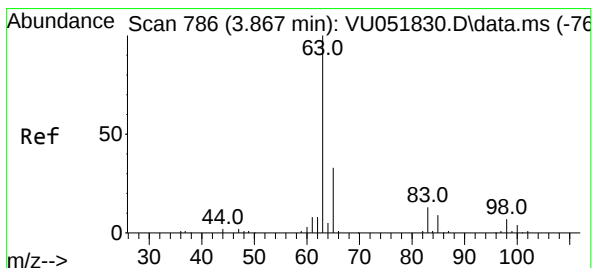
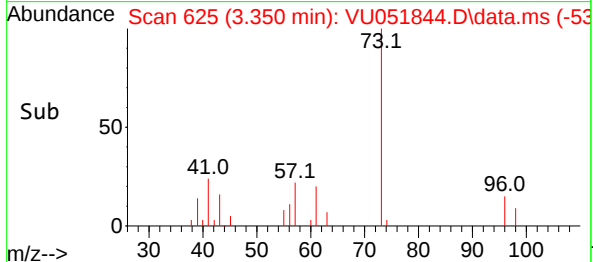
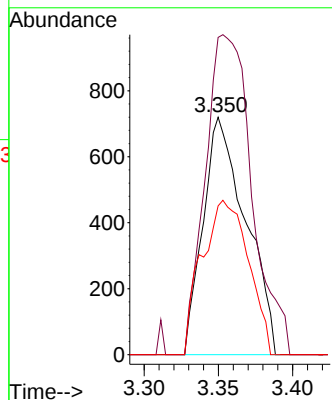
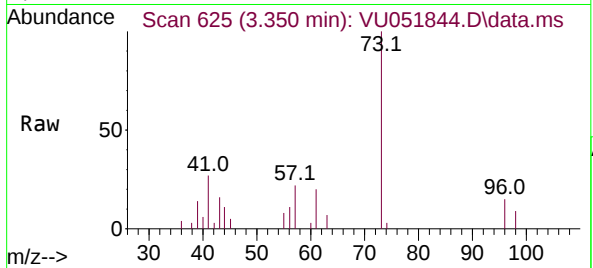




#18
trans-1,2-Dichloroethene
Concen: 0.086 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU051844.D
Acq: 14 Nov 2022 19:14

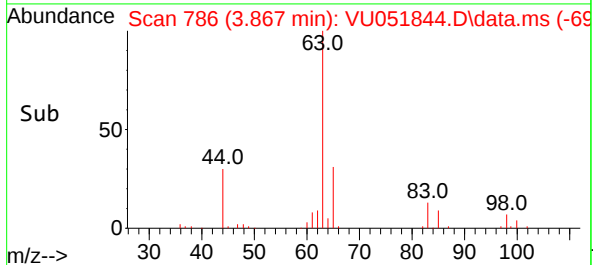
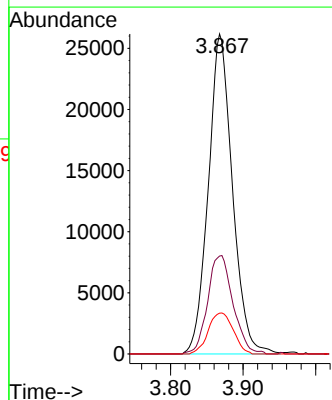
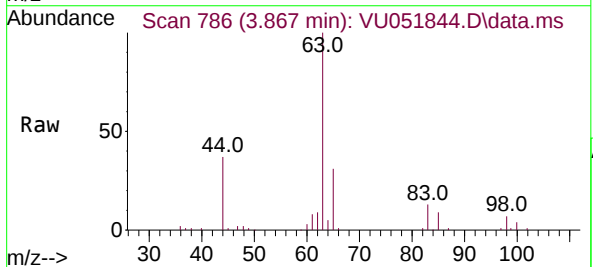
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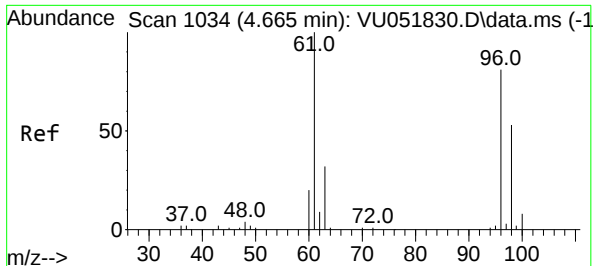
Tgt Ion: 96 Resp: 1438
Ion Ratio Lower Upper
96 100
61 133.6 94.7 175.9
98 62.6 44.2 82.0



#19
1,1-Dichloroethane
Concen: 1.959 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU051844.D
Acq: 14 Nov 2022 19:14

Tgt Ion: 63 Resp: 60525
Ion Ratio Lower Upper
63 100
65 30.6 22.7 42.1
83 12.8 9.2 17.0





#22

cis-1,2-Dichloroethene

Concen: 6.426 ug/L

RT: 4.665 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VU051844.D

Acq: 14 Nov 2022 19:14

Instrument :

MSVOA_U

ClientSampleId :

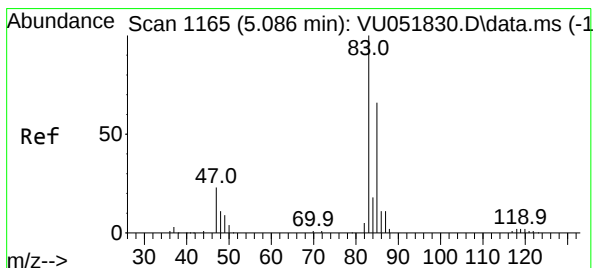
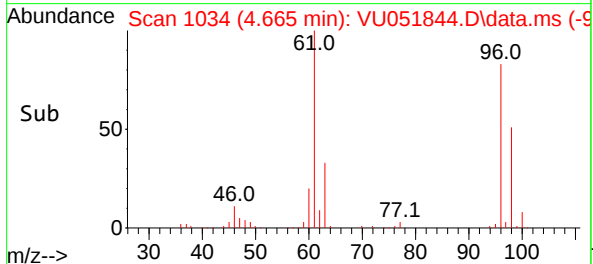
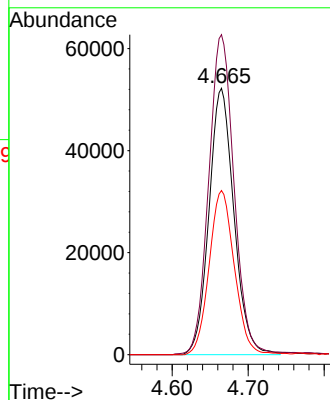
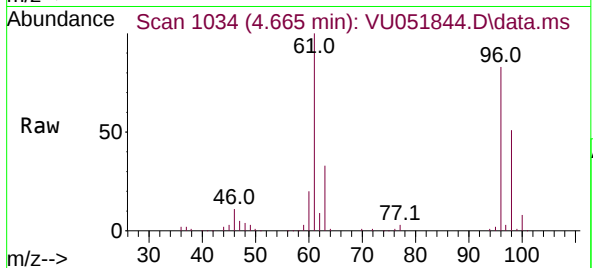
Tgt Ion: 96 Resp: 119082

Ion Ratio Lower Upper

96 100

61 120.1 86.4 160.4

98 61.6 44.2 82.2



#25

Chloroform

Concen: 3.241 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051844.D

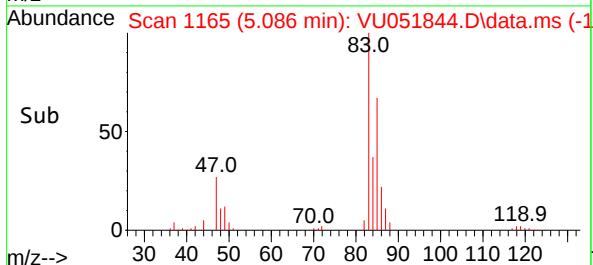
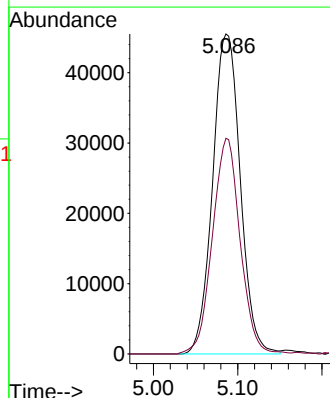
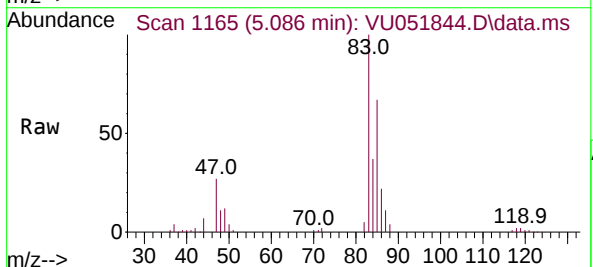
Acq: 14 Nov 2022 19:14

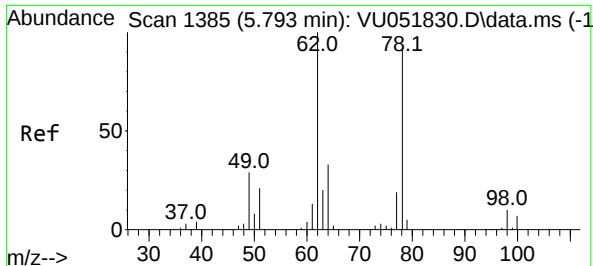
Tgt Ion: 83 Resp: 103871

Ion Ratio Lower Upper

83 100

85 67.4 45.2 84.0

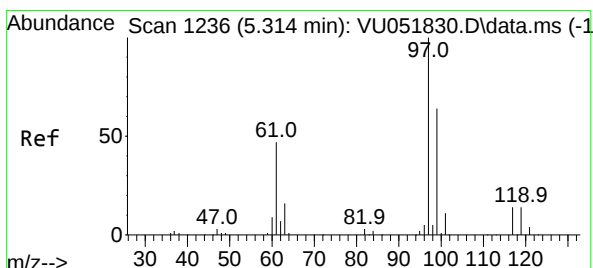
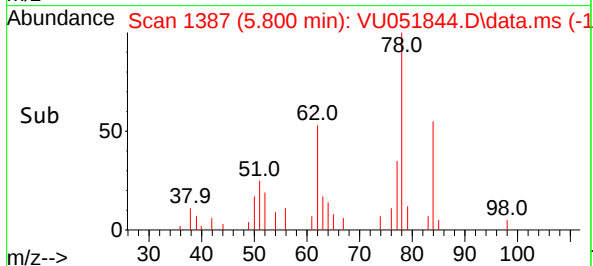
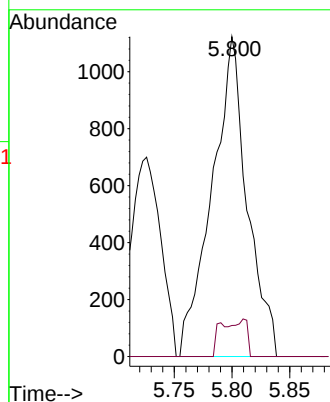
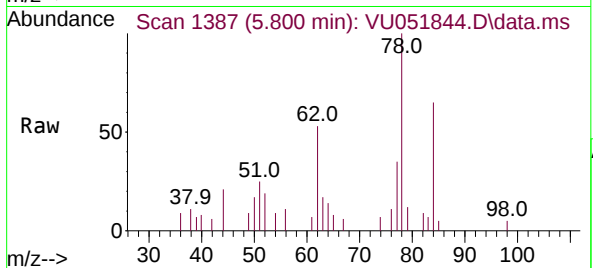




#27
1,2-Dichloroethane
Concen: 0.121 ug/L
RT: 5.800 min Scan# 11
Delta R.T. 0.007 min
Lab File: VU051844.D
Acq: 14 Nov 2022 19:14

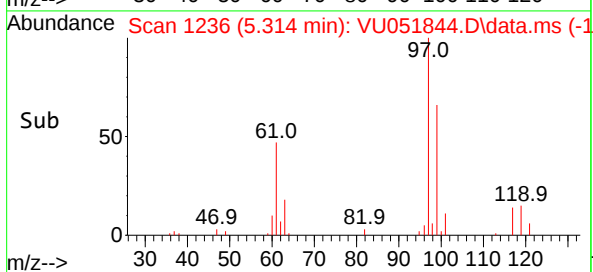
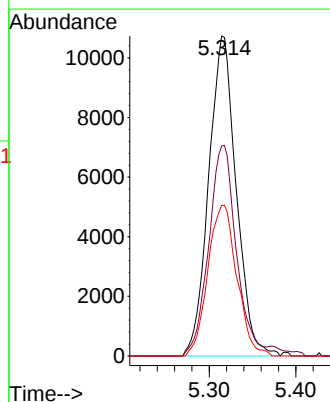
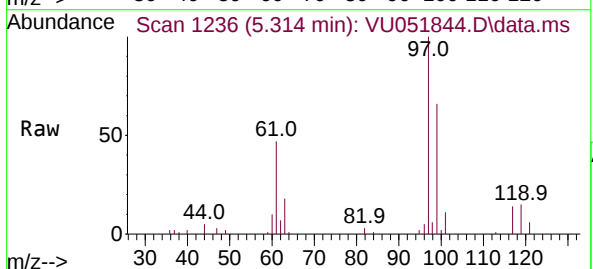
Instrument :
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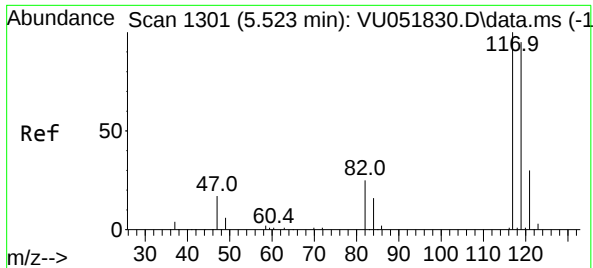
Tgt Ion: 62 Resp: 2384
Ion Ratio Lower Upper
62 100
98 9.7 7.4 11.0



#29
1,1,1-Trichloroethane
Concen: 0.942 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. 0.000 min
Lab File: VU051844.D
Acq: 14 Nov 2022 19:14

Tgt Ion: 97 Resp: 23725
Ion Ratio Lower Upper
97 100
99 65.8 51.1 76.7
61 49.6 37.4 56.0

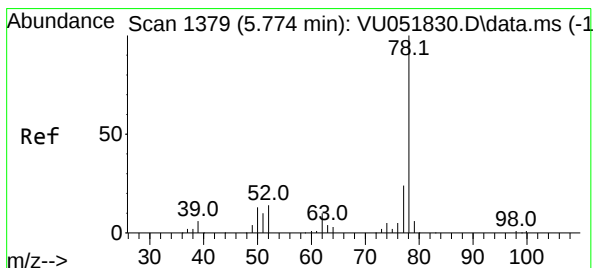
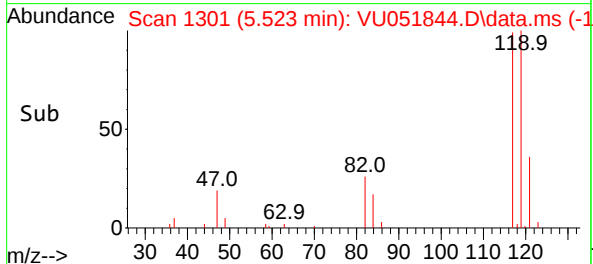
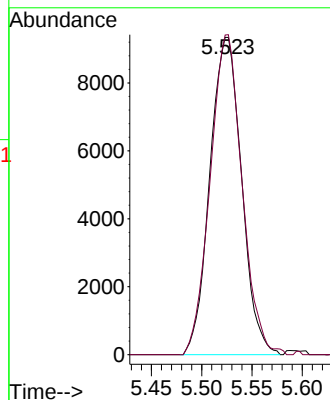
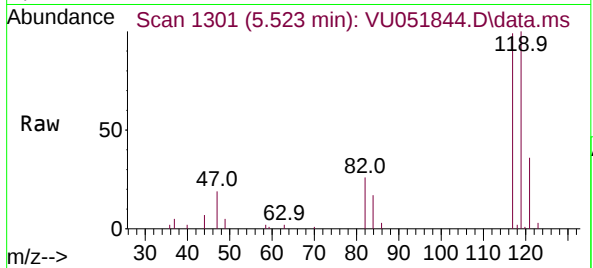




#31
Carbon tetrachloride
Concen: 0.951 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU051844.D
Acq: 14 Nov 2022 19:14

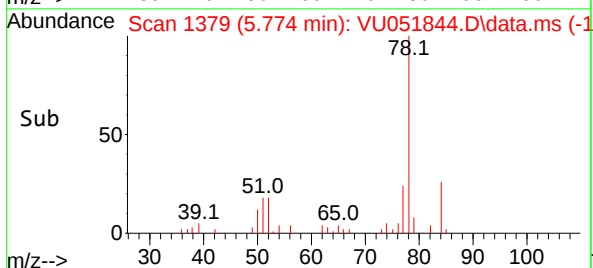
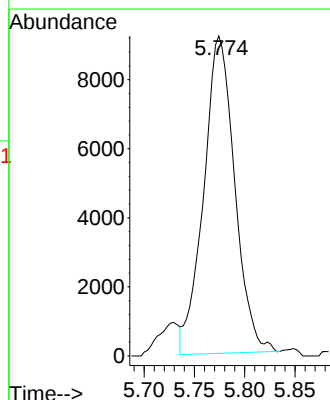
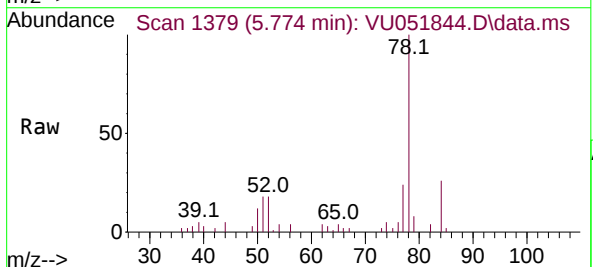
Instrument :
MSVOA_U
ClientSampleId :

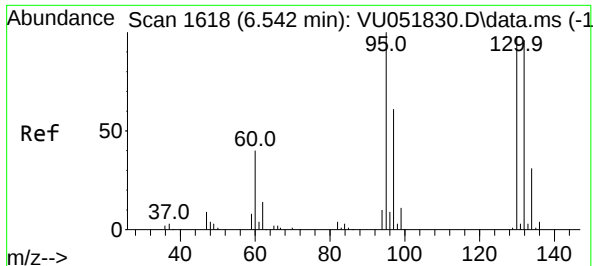
Tgt Ion:117 Resp: 20471
Ion Ratio Lower Upper
117 100
119 101.3 77.5 116.3



#33
Benzene
Concen: 0.269 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU051844.D
Acq: 14 Nov 2022 19:14

Tgt Ion: 78 Resp: 19719

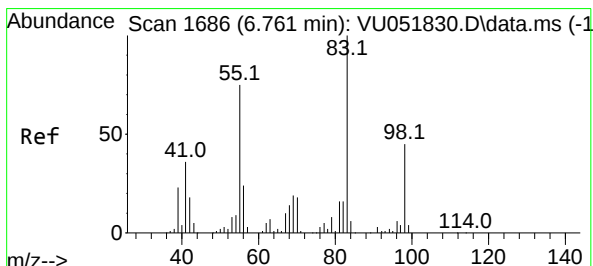
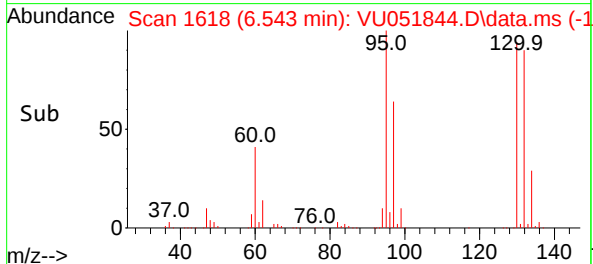
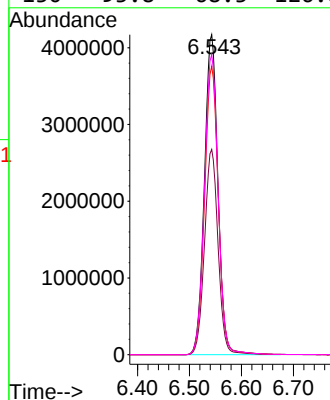
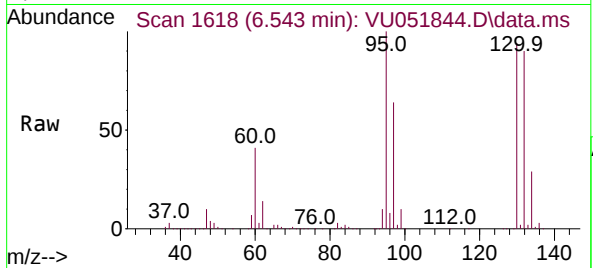




#34
Trichloroethene
Concen: 428.725 ug/L
RT: 6.543 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU051844.D
Acq: 14 Nov 2022 19:14

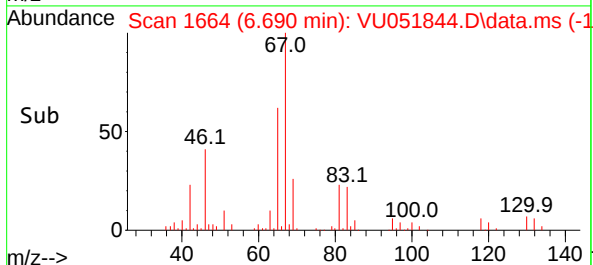
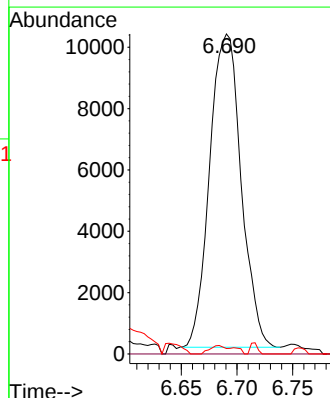
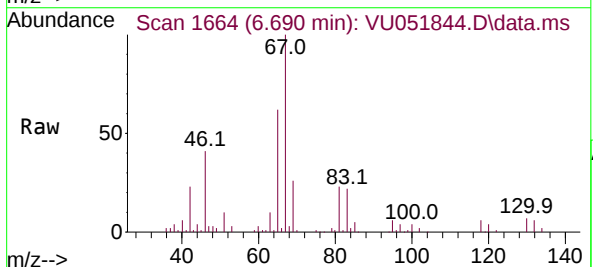
Instrument :
MSVOA_U
ClientSampleId :

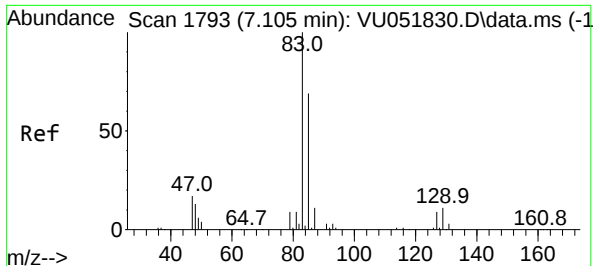
Tgt Ion: 95 Resp: 7570448
Ion Ratio Lower Upper
95 100
97 64.2 45.2 84.0
132 90.2 66.5 123.5
130 93.8 68.3 126.8



#35
Methylcyclohexane
Concen: 0.824 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.071 min
Lab File: VU051844.D
Acq: 14 Nov 2022 19:14

Tgt Ion: 83 Resp: 20129
Ion Ratio Lower Upper
83 100
55 0.0 60.6 90.8#
98 0.0 35.8 53.6#

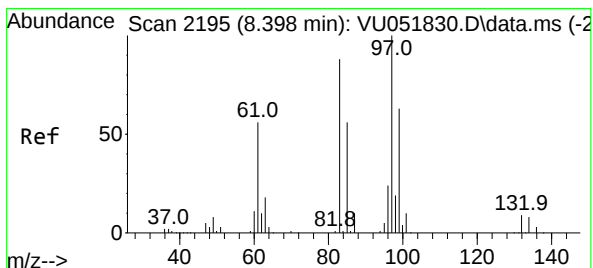
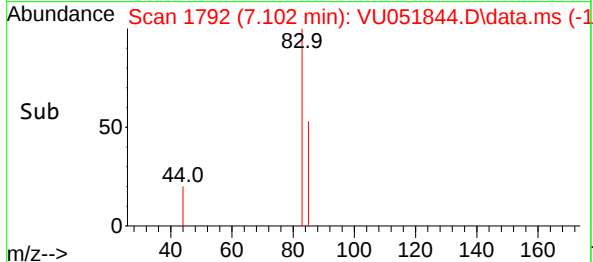
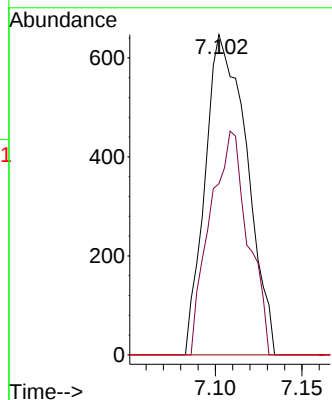
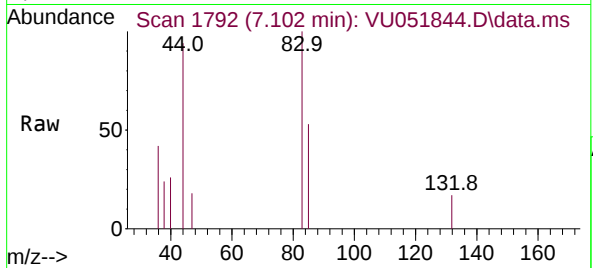




#38
Bromodichloromethane
Concen: 0.047 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. -0.003 min
Lab File: VU051844.D
Acq: 14 Nov 2022 19:14

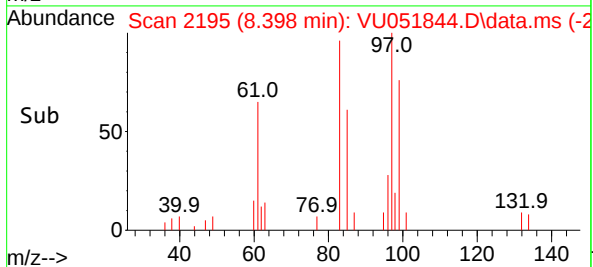
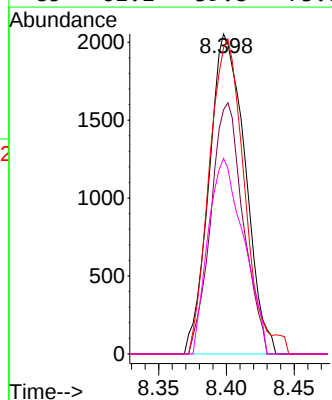
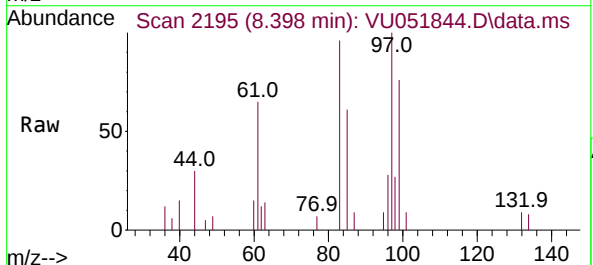
Instrument :
MSVOA_U
ClientSampleId :

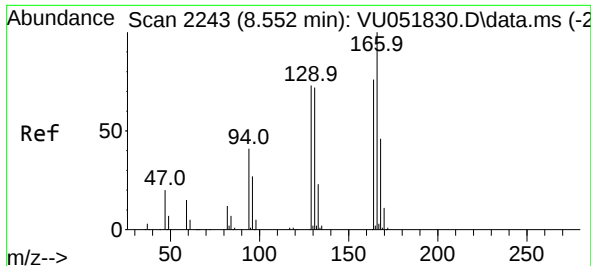
Tgt Ion: 83 Resp: 1084
Ion Ratio Lower Upper
83 100
85 53.5 45.1 83.7
127 0.0 6.6 9.8#



#45
1,1,2-Trichloroethane
Concen: 0.275 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU051844.D
Acq: 14 Nov 2022 19:14

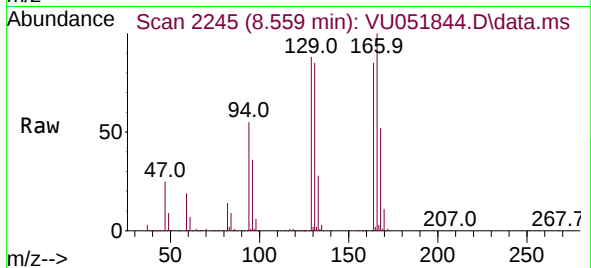
Tgt Ion: 97 Resp: 3791
Ion Ratio Lower Upper
97 100
99 76.3 43.4 80.6
83 95.8 61.3 113.9
85 61.1 39.8 73.8





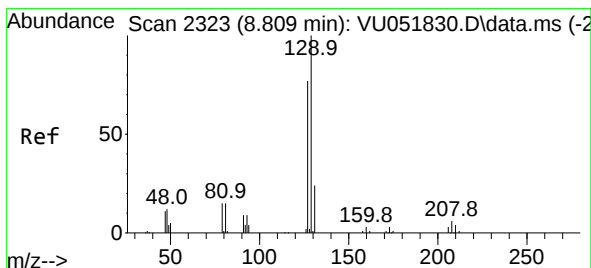
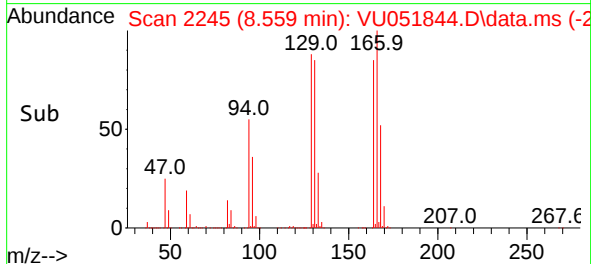
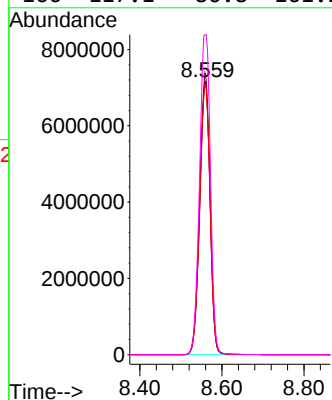
#47
Tetrachloroethene
Concen: 932.230 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. 0.007 min
Lab File: VU051844.D
Acq: 14 Nov 2022 19:14

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:164 Resp:12607196

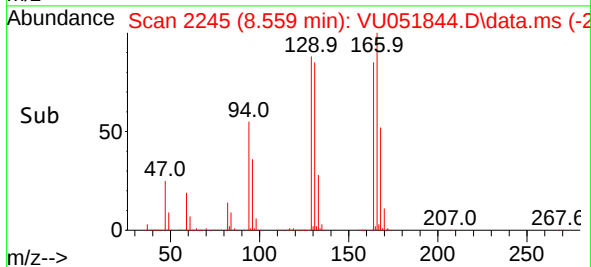
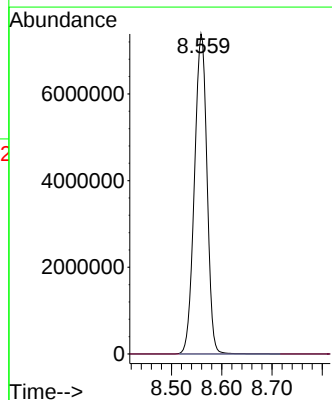
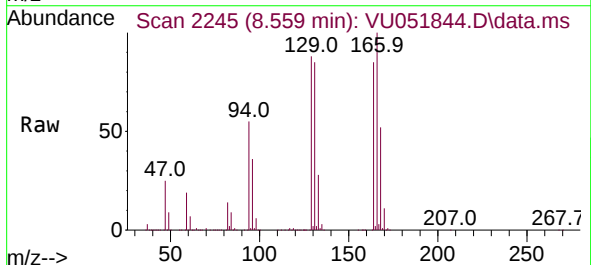
Ion	Ratio	Lower	Upper
164	100		
129	103.1	64.0	118.8
131	99.1	60.7	112.7
166	117.1	86.8	161.2

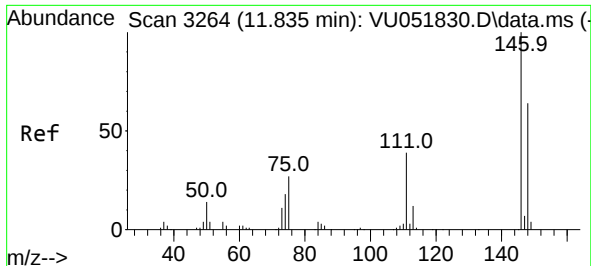


#49
Dibromochloromethane
Concen: 810.844 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. -0.251 min
Lab File: VU051844.D
Acq: 14 Nov 2022 19:14

Tgt Ion:129 Resp:12774544

Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.8	101.8#

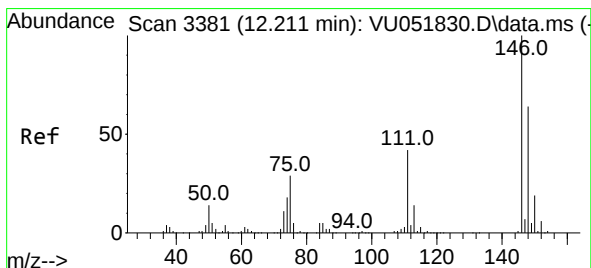
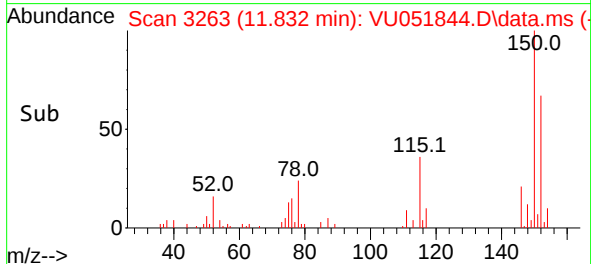
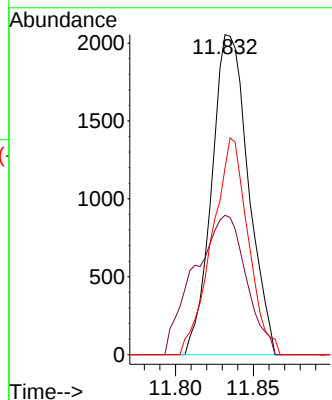
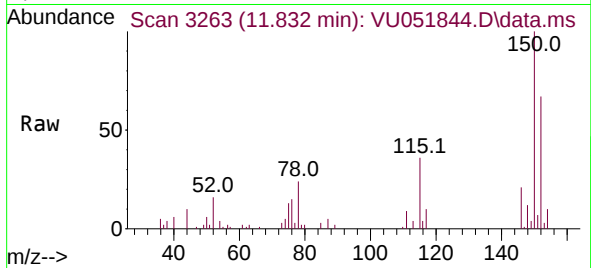




#65
1,4-Dichlorobenzene
Concen: 0.137 ug/L
RT: 11.832 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU051844.D
Acq: 14 Nov 2022 19:14

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:146 Resp: 3352
Ion Ratio Lower Upper
146 100
111 43.5 26.7 49.5
148 58.3 43.5 80.9



#67
1,2-Dichlorobenzene
Concen: 0.149 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU051844.D
Acq: 14 Nov 2022 19:14

Tgt Ion:146 Resp: 3524
Ion Ratio Lower Upper
146 100
111 35.2 34.2 51.2
148 56.1 50.1 75.1

