

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120921\
 Data File : VU046230.D
 Acq On : 09 Dec 2021 19:13
 Operator : SY/MD
 Sample : M4983-18
 Misc : 5.5mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 10 03:46:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

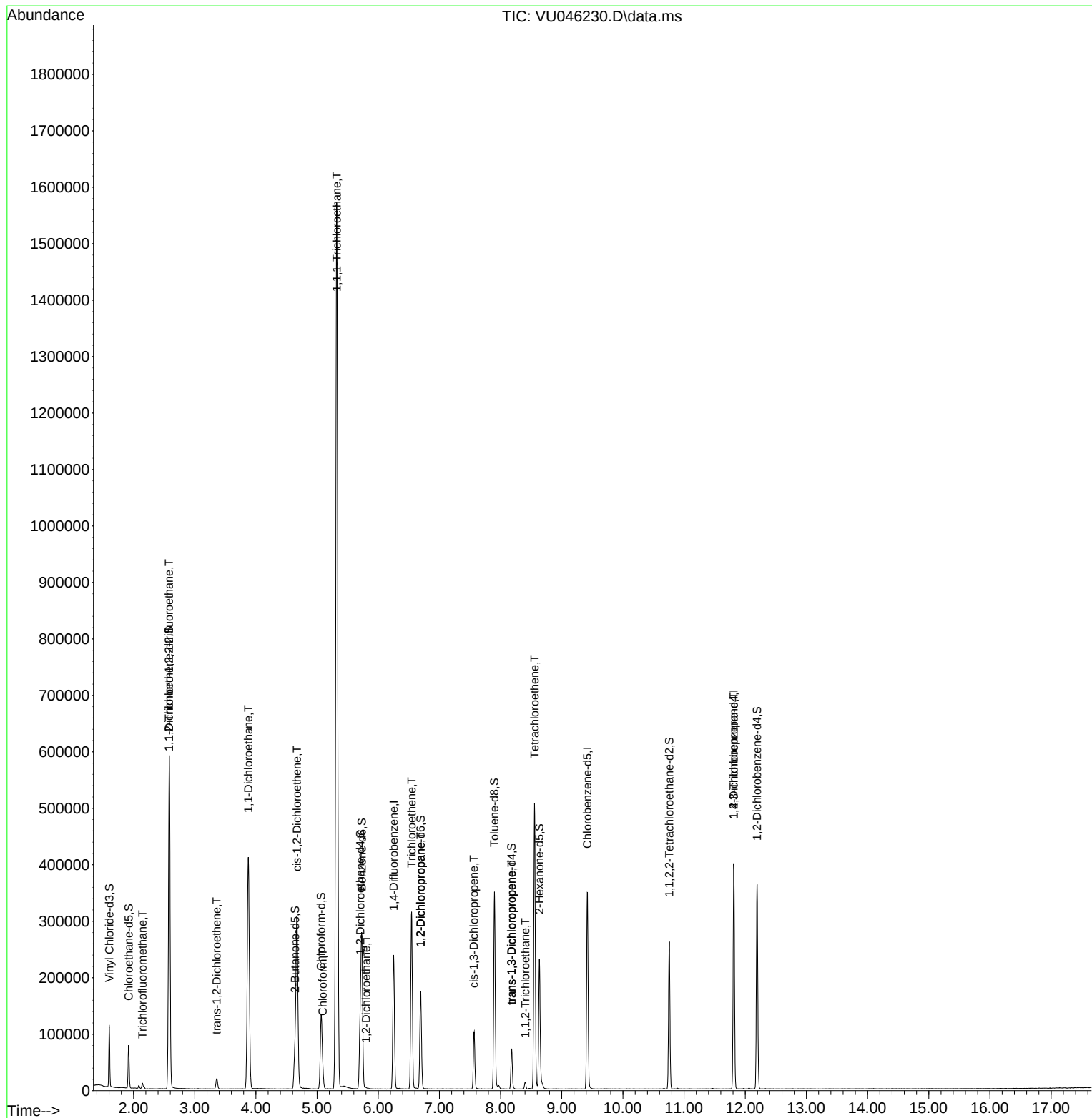
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	196042	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	202485	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	107215	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	75280	46.616	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.240%
7) Chloroethane-d5	1.919	69	54936	44.307	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.620%
11) 1,1-Dichloroethene-d2	2.578	63	188810	65.129	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	130.260%#
21) 2-Butanone-d5	4.639	46	124158	96.714	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.710%
24) Chloroform-d	5.067	84	120603	44.721	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.440%
26) 1,2-Dichloroethane-d4	5.706	65	84436	46.654	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.300%
32) Benzene-d6	5.732	84	265411	45.732	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.460%
36) 1,2-Dichloropropane-d6	6.694	67	82619	45.934	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.860%
41) Toluene-d8	7.899	98	238700	45.173	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.340%
43) trans-1,3-Dichloroprop...	8.179	79	40307	46.423	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.840%
47) 2-Hexanone-d5	8.636	63	85167	99.868	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.870%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	126857	46.507	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.020%
66) 1,2-Dichlorobenzene-d4	12.195	152	96531	46.751	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.500%
Target Compounds						
					Qvalue	
9) Trichlorofluoromethane	2.147	101	6100	2.429	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	1394	0.977	ug/L #	21
17) trans-1,2-Dichloroethene	3.359	96	8199	5.716	ug/L	95
19) 1,1-Dichloroethane	3.877	63	476933	182.857	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	151539	97.358	ug/L	98
25) Chloroform	5.092	83	19693	6.796	ug/L	99
27) 1,2-Dichloroethane	5.803	62	964	0.448	ug/L #	73
30) 1,1,1-Trichloroethane	5.321	97	1172560	471.757	ug/L	99
34) Trichloroethene	6.546	95	108404	67.144	ug/L	98
37) 1,2-Dichloropropane	6.694	63	8679	5.406	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	2477	1.014	ug/L #	69
44) trans-1,3-Dichloropropene	8.182	75	1674	0.698	ug/L #	73
45) 1,1,2-Trichloroethane	8.404	97	4011	2.490	ug/L	98
46) Tetrachloroethene	8.555	164	114391	96.414	ug/L	97
60) 1,2,3-Trichloropropane	11.812	75	12440	5.293	ug/L #	65

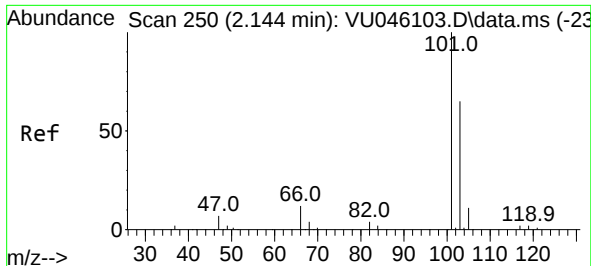
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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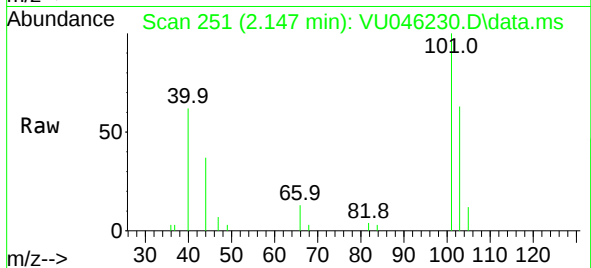
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 03 05:08:36 2021
Response via : Initial Calibration



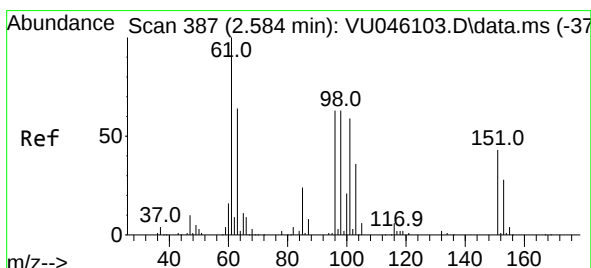
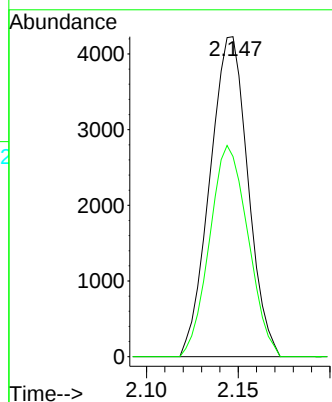
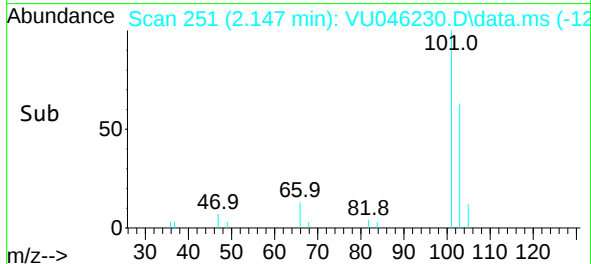


#9
 Trichlorofluoromethane
 Concen: 2.429 ug/L
 RT: 2.147 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VU046230.D
 Acq: 09 Dec 2021 19:13

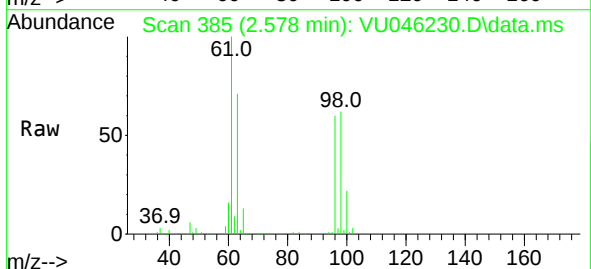
Instrument :
 MSVOA_U
 ClientSampleId :



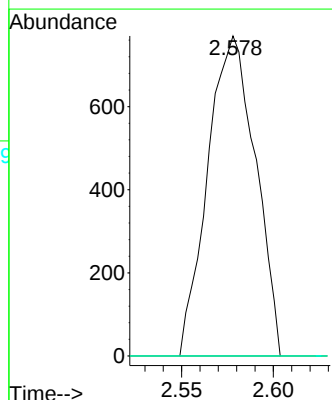
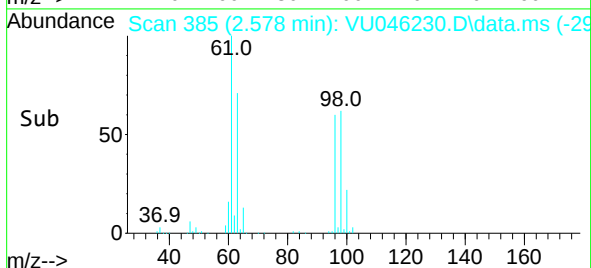
Tgt Ion:101 Resp: 6100
 Ion Ratio Lower Upper
 101 100
 103 66.5 51.8 77.6

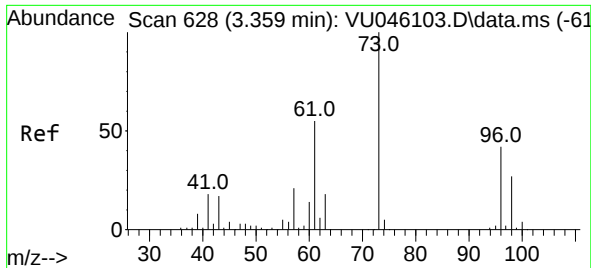


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.977 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.010 min
 Lab File: VU046230.D
 Acq: 09 Dec 2021 19:13



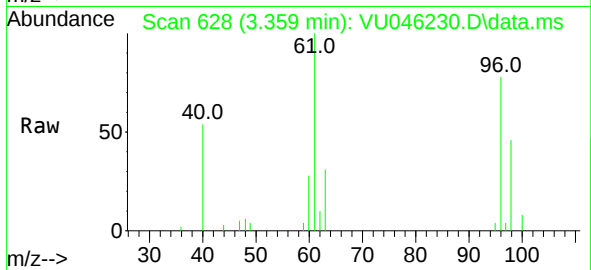
Tgt Ion:101 Resp: 1394
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



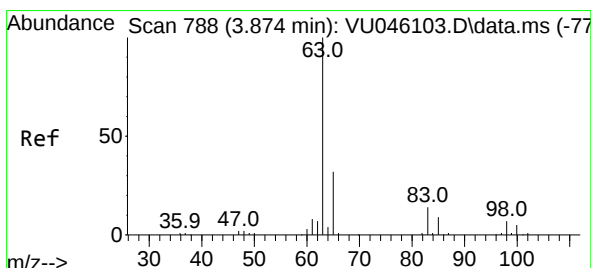
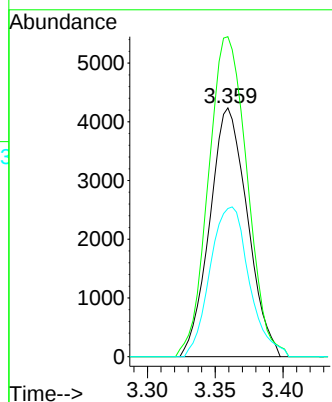
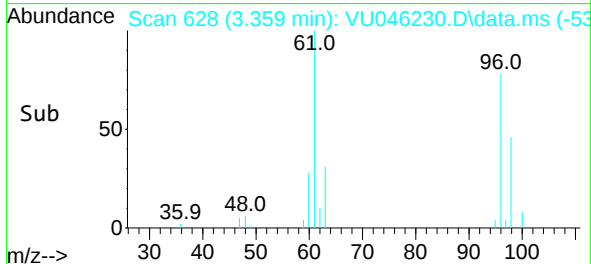


#17
trans-1,2-Dichloroethene
Concen: 5.716 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU046230.D
Acq: 09 Dec 2021 19:13

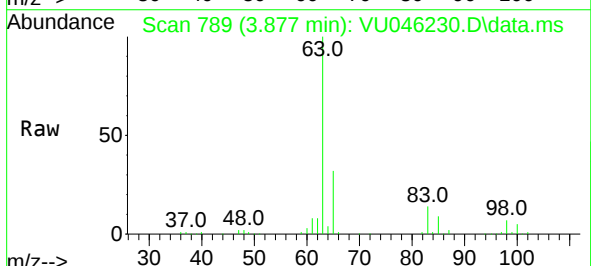
Instrument :
MSVOA_U
ClientSampleId :



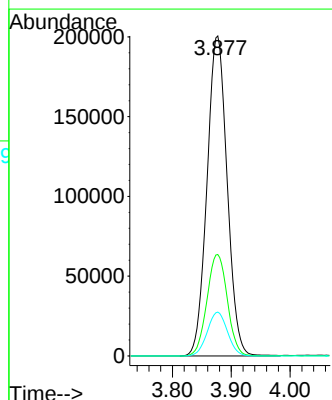
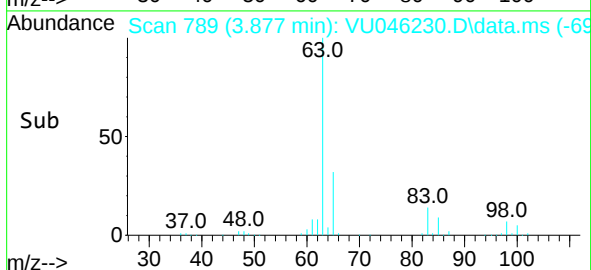
Tgt Ion: 96	Resp: 8199		
Ion Ratio	Lower	Upper	
96	100		
61	128.6	94.6	175.6
98	59.5	44.0	81.8

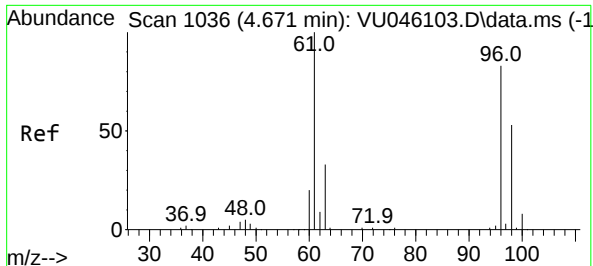


#19
1,1-Dichloroethane
Concen: 182.857 ug/L
RT: 3.877 min Scan# 789
Delta R.T. 0.000 min
Lab File: VU046230.D
Acq: 09 Dec 2021 19:13



Tgt Ion: 63	Resp: 476933
Ion Ratio	Lower Upper
63 100	
65 31.7	22.8 42.4
83 13.7	9.6 17.8





#20

cis-1,2-Dichloroethene

Concen: 97.358 ug/L

RT: 4.671 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VU046230.D

Acq: 09 Dec 2021 19:13

Instrument :

MSVOA_U

ClientSampleId :

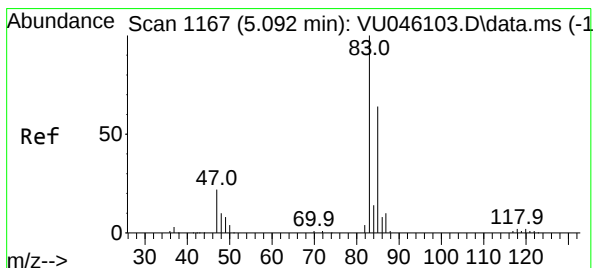
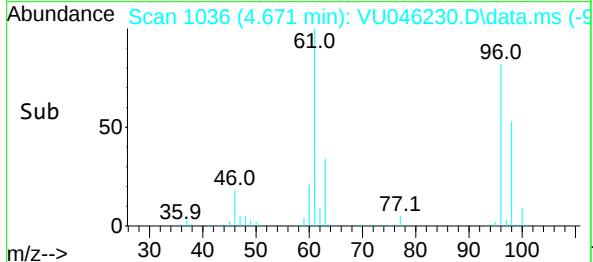
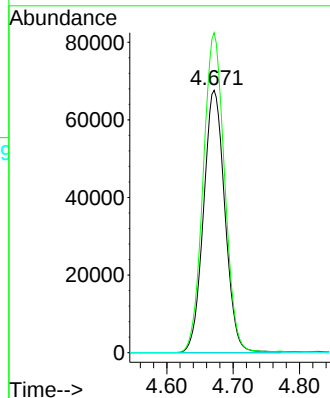
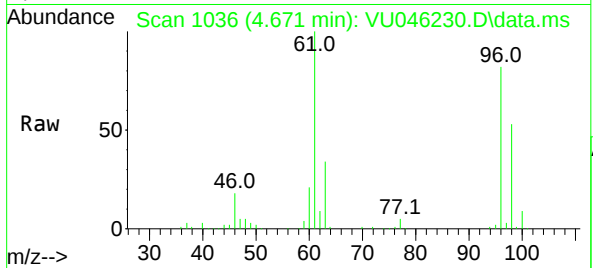
Tgt Ion: 96 Resp: 151539

Ion Ratio Lower Upper

96 100

61 121.9 86.8 161.2

68 0.0 0.0 0.0



#25

Chloroform

Concen: 6.796 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VU046230.D

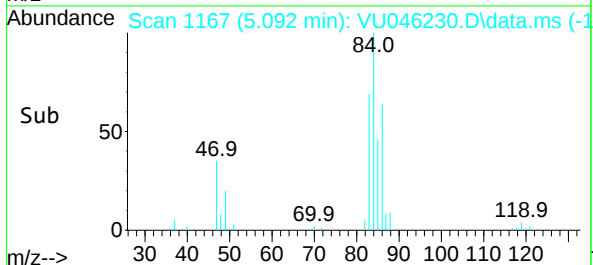
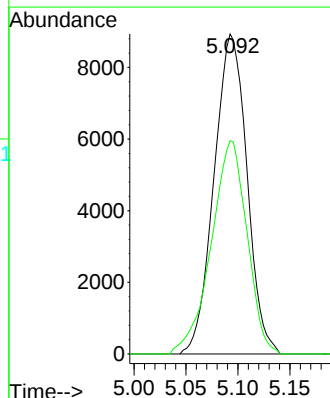
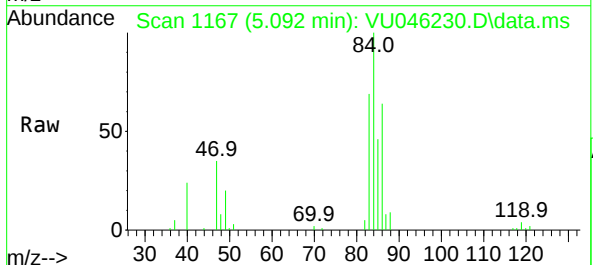
Acq: 09 Dec 2021 19:13

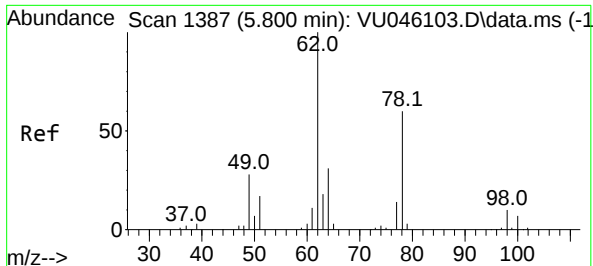
Tgt Ion: 83 Resp: 19693

Ion Ratio Lower Upper

83 100

85 66.7 45.8 85.2

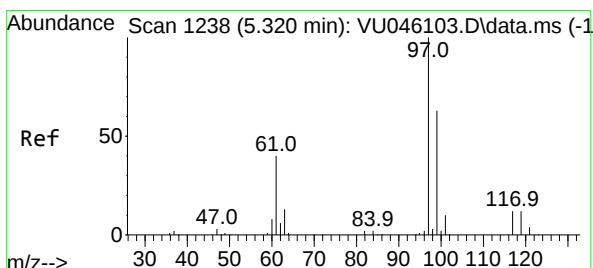
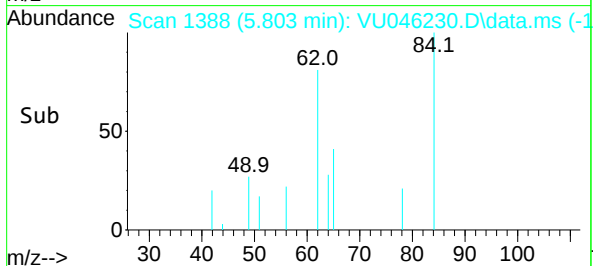
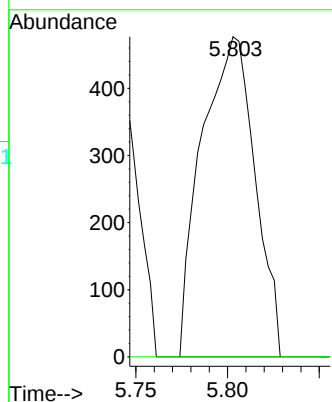
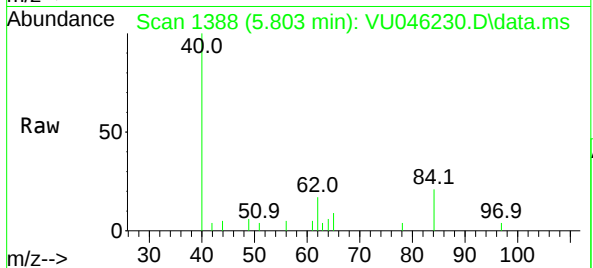




#27
1,2-Dichloroethane
Concen: 0.448 ug/L
RT: 5.803 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU046230.D
Acq: 09 Dec 2021 19:13

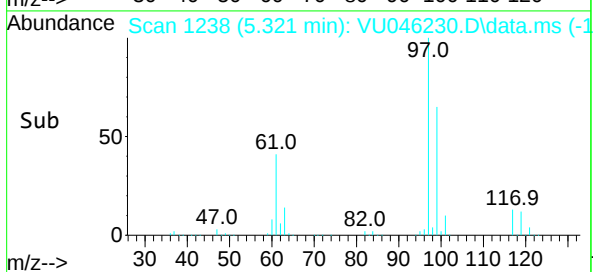
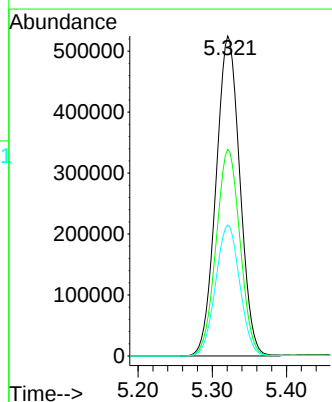
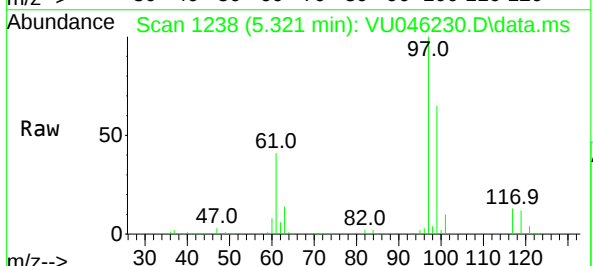
Instrument :
MSVOA_U
ClientSampleId :

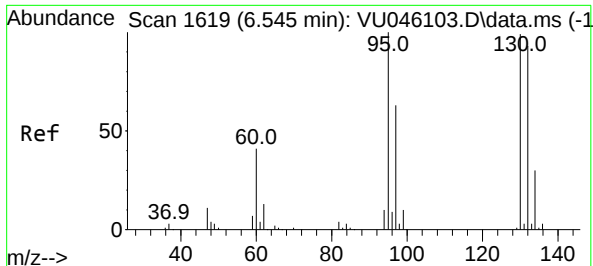
Tgt Ion: 62 Resp: 964
Ion Ratio Lower Upper
62 100
98 0.0 7.9 11.9#



#30
1,1,1-Trichloroethane
Concen: 471.757 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VU046230.D
Acq: 09 Dec 2021 19:13

Tgt Ion: 97 Resp: 1172560
Ion Ratio Lower Upper
97 100
99 64.8 51.8 77.6
61 41.5 34.4 51.6

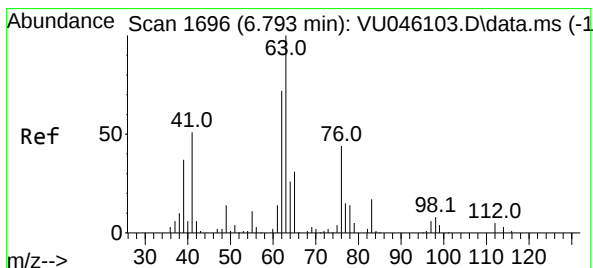
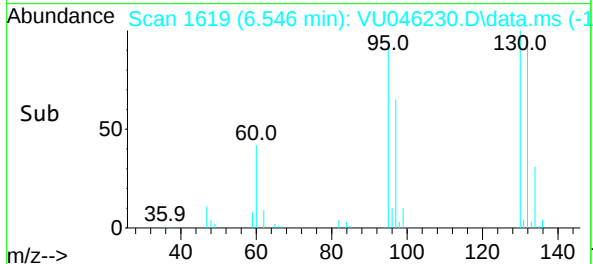
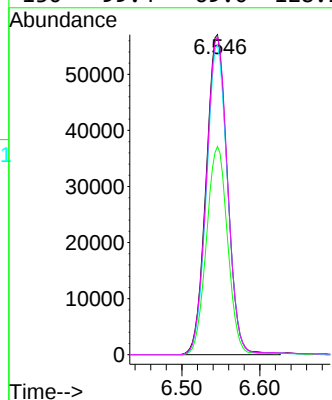
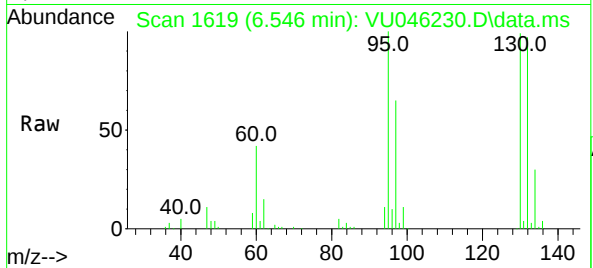




#34
Trichloroethene
Concen: 67.144 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU046230.D
Acq: 09 Dec 2021 19:13

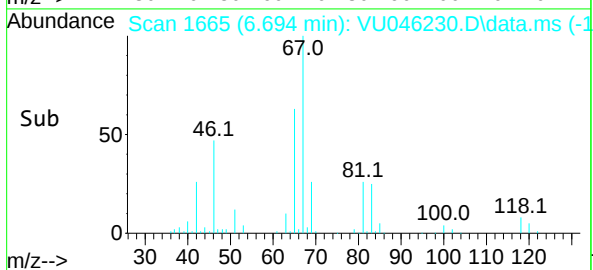
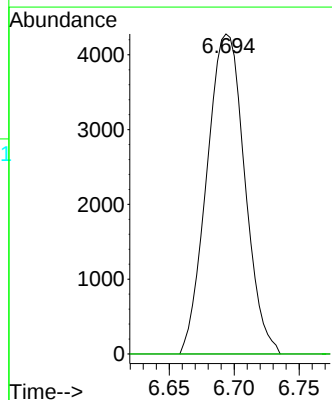
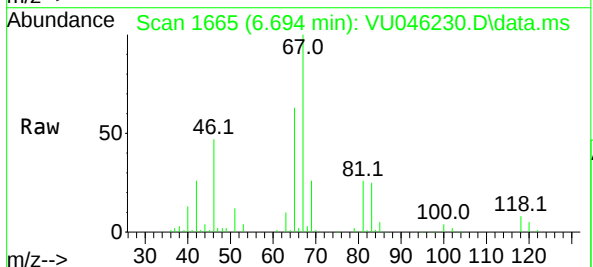
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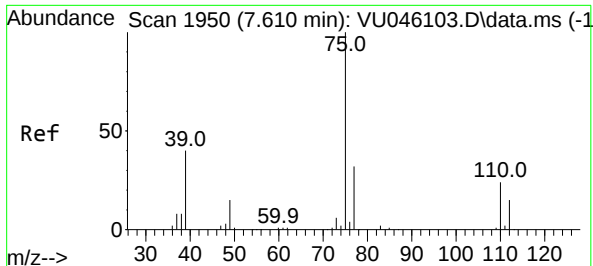
Tgt Ion: 95 Resp: 108404
Ion Ratio Lower Upper
95 100
97 65.1 44.1 81.9
132 96.8 66.8 124.0
130 99.4 69.0 128.1



#37
1,2-Dichloropropane
Concen: 5.406 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU046230.D
Acq: 09 Dec 2021 19:13

Tgt Ion: 63 Resp: 8679
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 1.014 ug/L

RT: 7.565 min Scan# 1950

Delta R.T. -0.045 min

Lab File: VU046230.D

Acq: 09 Dec 2021 19:13

Instrument :

MSVOA_U

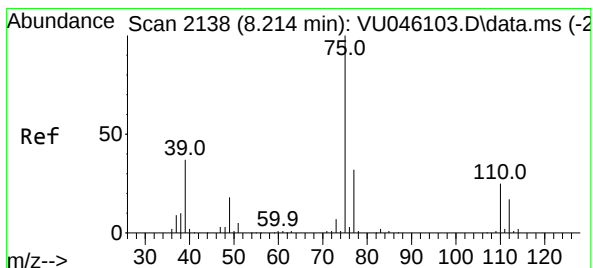
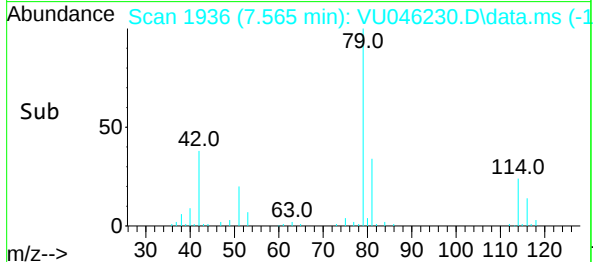
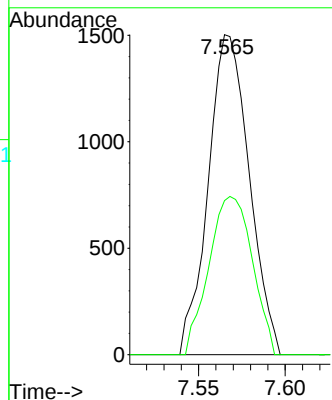
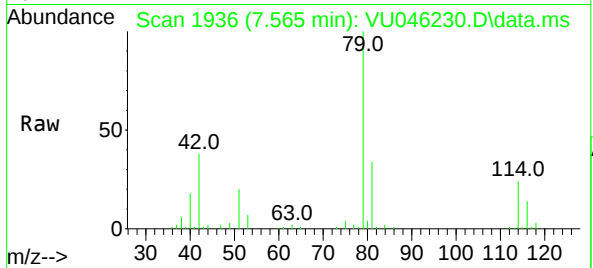
ClientSampleId :

Tgt Ion: 75 Resp: 2477

Ion Ratio Lower Upper

75 100

77 48.2 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 0.698 ug/L

RT: 8.182 min Scan# 2128

Delta R.T. -0.032 min

Lab File: VU046230.D

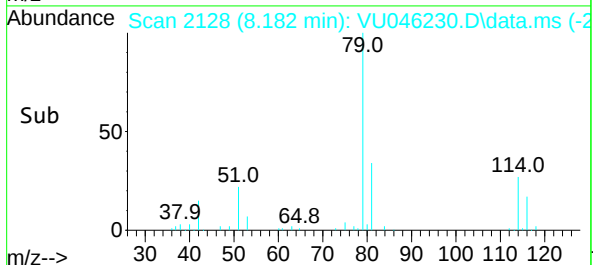
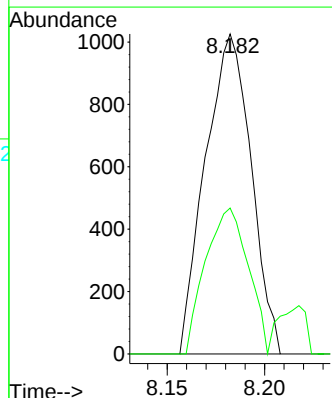
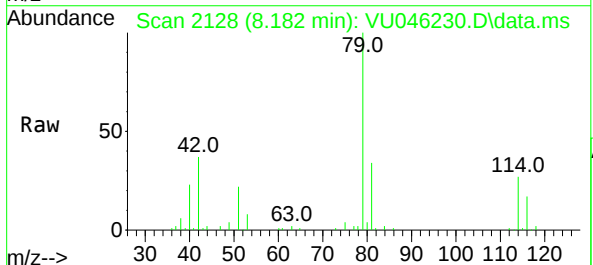
Acq: 09 Dec 2021 19:13

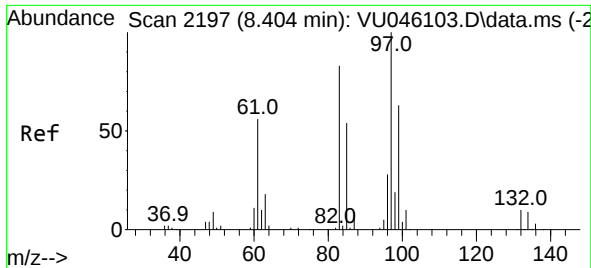
Tgt Ion: 75 Resp: 1674

Ion Ratio Lower Upper

75 100

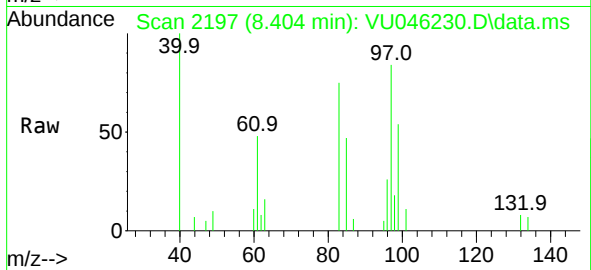
77 45.6 21.7 40.3#



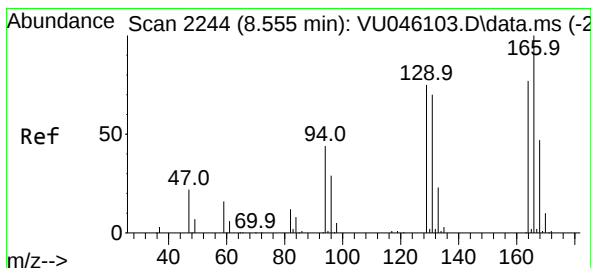
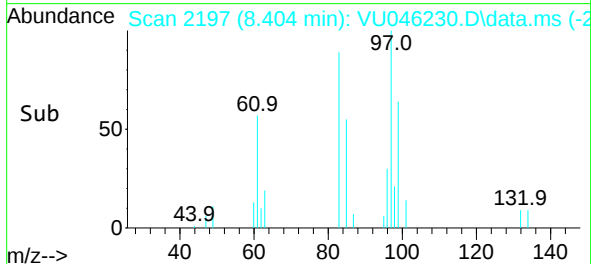
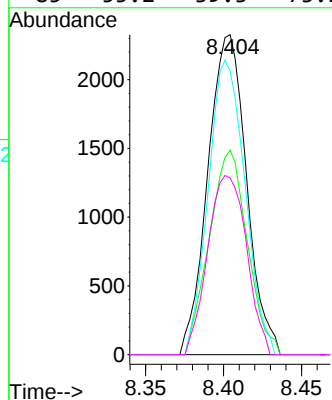


#45
1,1,2-Trichloroethane
Concen: 2.490 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. 0.000 min
Lab File: VU046230.D
Acq: 09 Dec 2021 19:13

Instrument :
MSVOA_U
ClientSampleId :

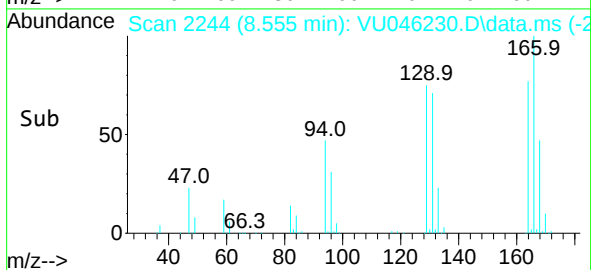
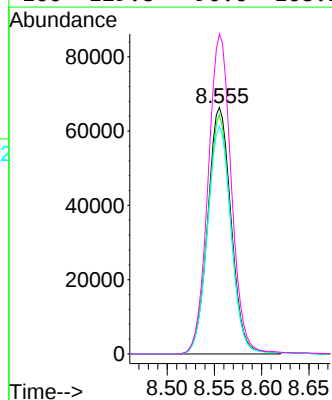
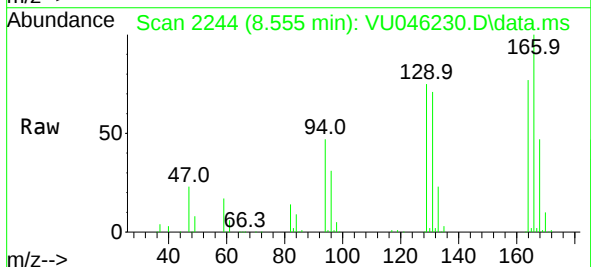


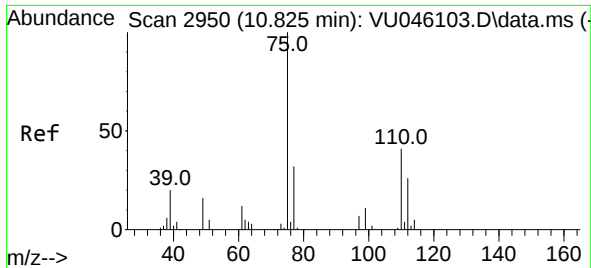
Tgt Ion: 97	Resp: 4011
Ion Ratio	Lower Upper
97 100	
99 63.9	44.7 82.9
83 88.7	60.2 111.8
85 55.2	39.3 73.1



#46
Tetrachloroethene
Concen: 96.414 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU046230.D
Acq: 09 Dec 2021 19:13

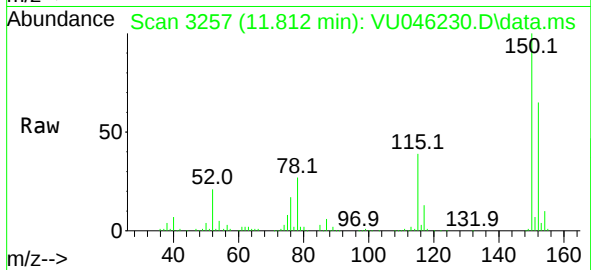
Tgt	Ion:164	Resp:	114391
Ion	Ratio	Lower	Upper
164	100		
129	97.1	71.1	132.1
131	92.4	67.8	126.0
166	129.8	90.6	168.2





#60
 1,2,3-Trichloropropane
 Concen: 5.293 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU046230.D
 Acq: 09 Dec 2021 19:13

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.4	39.6
110	1.9	32.4	48.6#

