

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
 Data File : VU046296.D
 Acq On : 11 Dec 2021 18:50
 Operator : SY/MD
 Sample : M4983-18DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 12 01:40:04 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	158180	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	163567	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	81209	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	47080	36.132	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.260%
7) Chloroethane-d5	1.916	69	41362	41.344	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.680%
11) 1,1-Dichloroethene-d2	2.571	63	75672	32.350	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.700%
21) 2-Butanone-d5	4.639	46	114717	110.749	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.750%
24) Chloroform-d	5.067	84	104399	47.979	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.960%
26) 1,2-Dichloroethane-d4	5.706	65	73337	50.220	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.440%
32) Benzene-d6	5.732	84	209446	44.676	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.360%
36) 1,2-Dichloropropane-d6	6.694	67	69639	47.930	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.860%
41) Toluene-d8	7.899	98	177109	41.492	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.980%
43) trans-1,3-Dichloroprop...	8.182	79	32768	46.720	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.440%
47) 2-Hexanone-d5	8.636	63	82122	119.210	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.210%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	117708	53.420	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.840%
66) 1,2-Dichlorobenzene-d4	12.195	152	79623	50.912	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.820%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	677	0.588	ug/L #	21
12) 1,1-Dichloroethene	2.584	96	16566	15.146	ug/L #	58
16) Methylene chloride	3.051	84	5253	4.037	ug/L	96
17) trans-1,2-Dichloroethene	3.362	96	646	0.558	ug/L	80
19) 1,1-Dichloroethane	3.877	63	42751	20.314	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	13417	10.683	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	102484	51.043	ug/L	100
31) Carbon tetrachloride	5.321	117	12852	7.540	ug/L	96
34) Trichloroethene	6.546	95	9203	7.057	ug/L	95
35) Methylcyclohexane	6.694	83	16784	8.300	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	7649	5.898	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	2080	1.054	ug/L #	67
44) trans-1,3-Dichloropropene	8.182	75	1415	0.730	ug/L #	77
46) Tetrachloroethene	8.555	164	10061	10.498	ug/L	91
49) Dibromochloromethane	8.555	129	9488	6.945	ug/L #	10
60) 1,2,3-Trichloropropane	11.812	75	10114	5.681	ug/L #	65

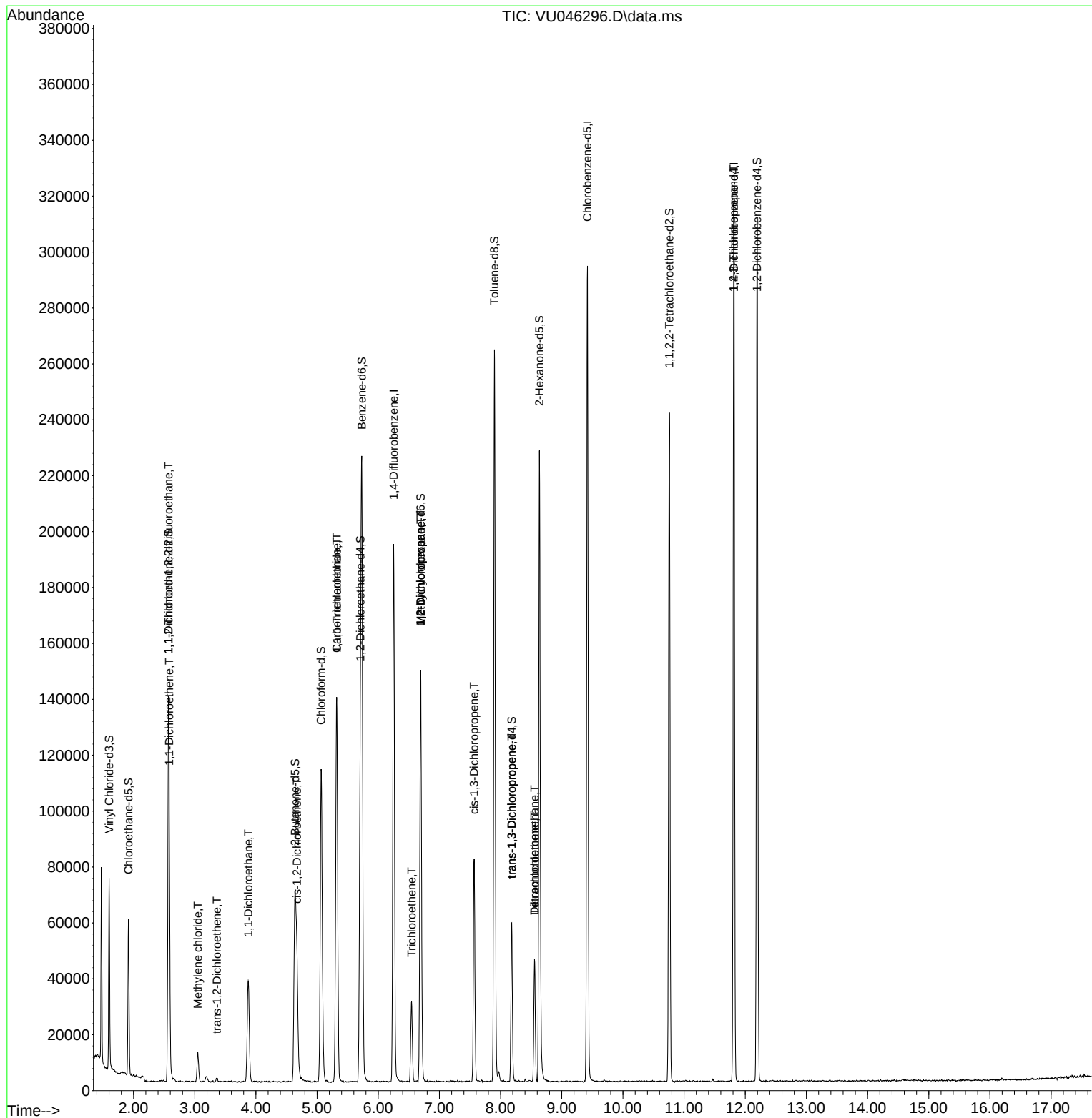
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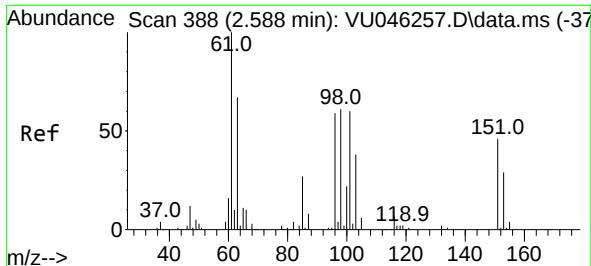
Instrument :
MSVOA_U
ClientSampleId :

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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

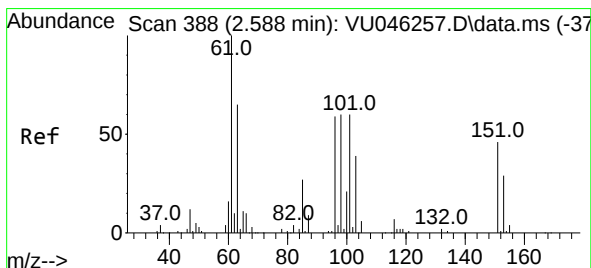
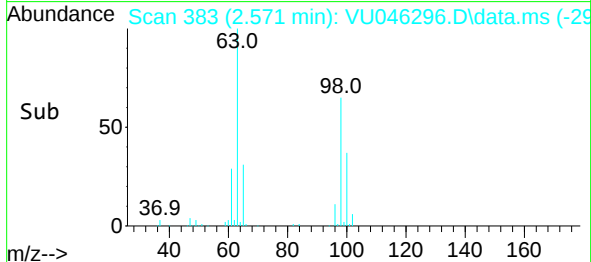
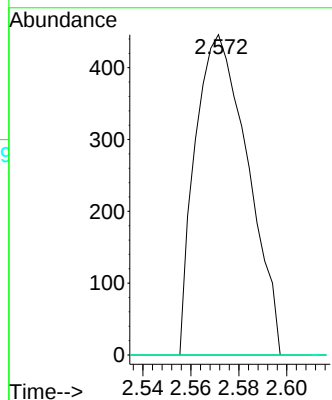
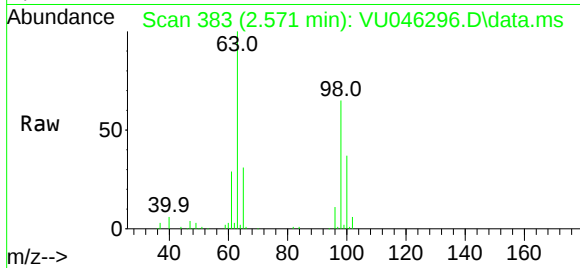




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.588 ug/L
RT: 2.571 min Scan# 31
Delta R.T. -0.016 min
Lab File: VU046296.D
Acq: 11 Dec 2021 18:50

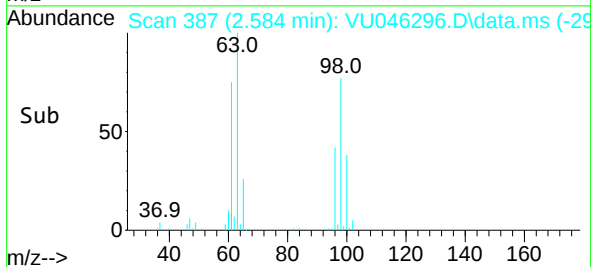
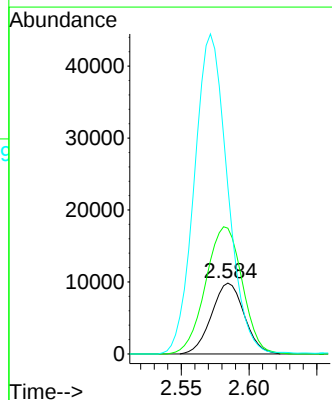
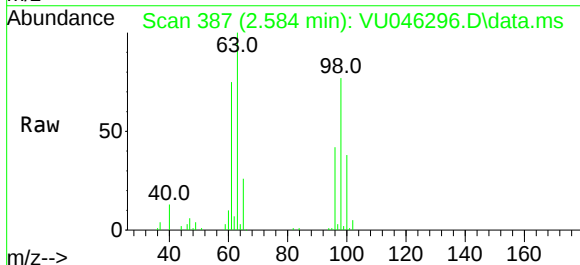
Instrument :
MSVOA_U
ClientSampleId :

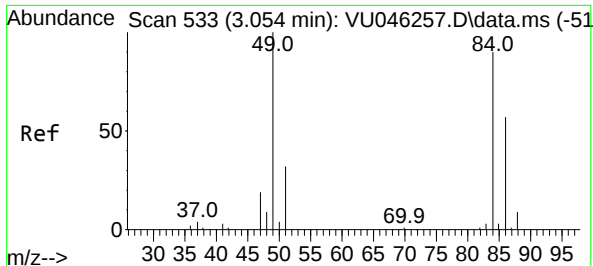
Tgt Ion:101 Resp: 677
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 15.146 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.000 min
Lab File: VU046296.D
Acq: 11 Dec 2021 18:50

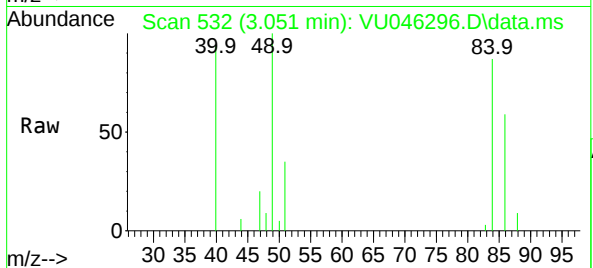
Tgt Ion: 96 Resp: 16566
Ion Ratio Lower Upper
96 100
61 177.6 118.6 220.2
63 235.9 93.0 172.8#



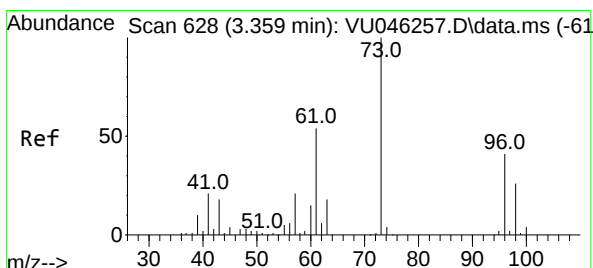
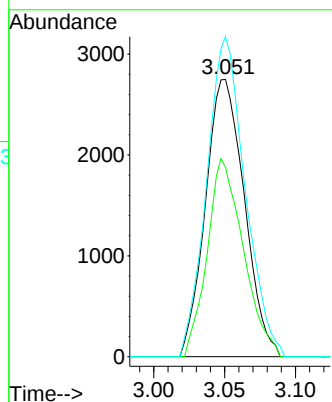
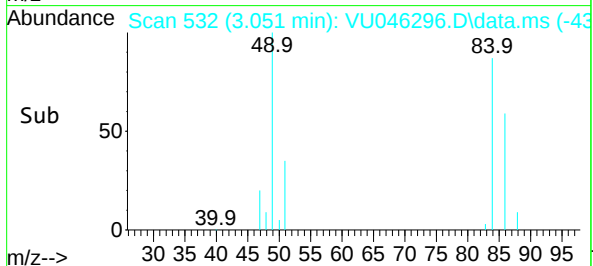


#16
Methylene chloride
Concen: 4.037 ug/L
RT: 3.051 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU046296.D
Acq: 11 Dec 2021 18:50

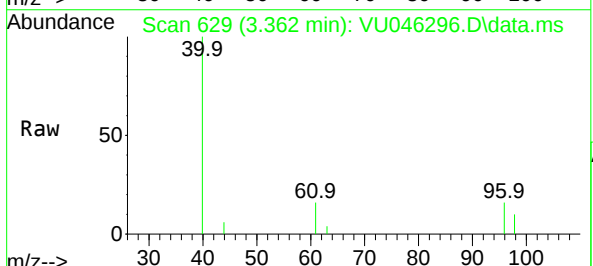
Instrument :
MSVOA_U
ClientSampleId :



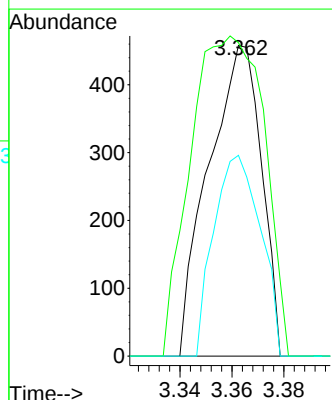
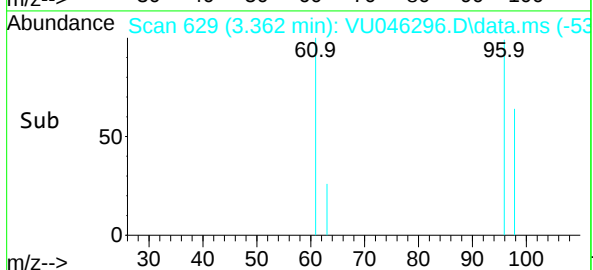
Tgt Ion: 84 Resp: 5253
Ion Ratio Lower Upper
84 100
86 68.3 44.7 83.1
49 115.4 78.4 145.6

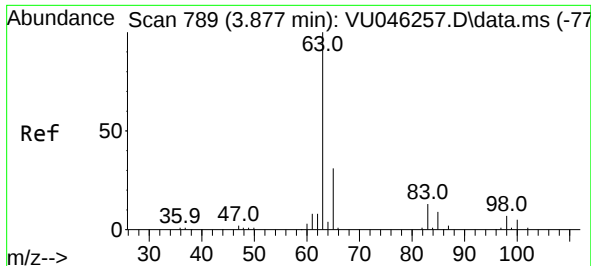


#17
trans-1,2-Dichloroethene
Concen: 0.558 ug/L
RT: 3.362 min Scan# 629
Delta R.T. 0.003 min
Lab File: VU046296.D
Acq: 11 Dec 2021 18:50



Tgt Ion: 96 Resp: 646
Ion Ratio Lower Upper
96 100
61 100.9 94.6 175.6
98 64.6 44.0 81.8





#19

1,1-Dichloroethane

Concen: 20.314 ug/L

RT: 3.877 min Scan# 789

Delta R.T. -0.000 min

Lab File: VU046296.D

Acq: 11 Dec 2021 18:50

Instrument :

MSVOA_U

ClientSampleId :

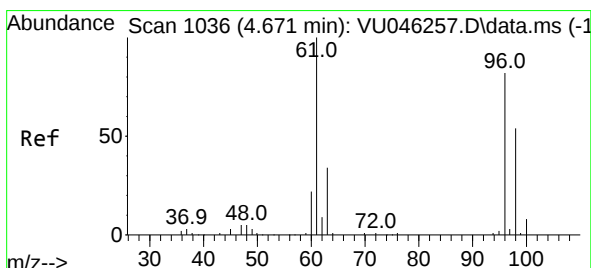
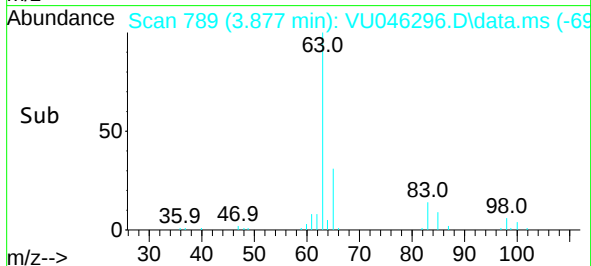
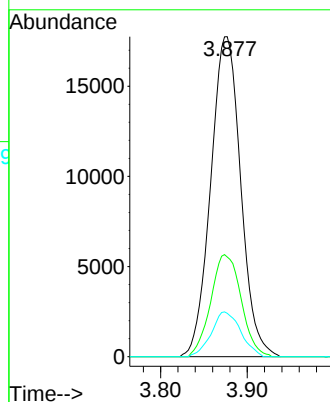
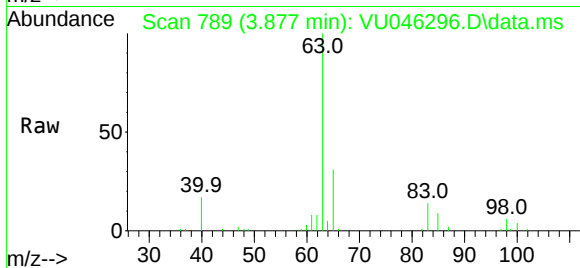
Tgt Ion: 63 Resp: 42751

Ion Ratio Lower Upper

63 100

65 31.1 22.8 42.4

83 13.6 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 10.683 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU046296.D

Acq: 11 Dec 2021 18:50

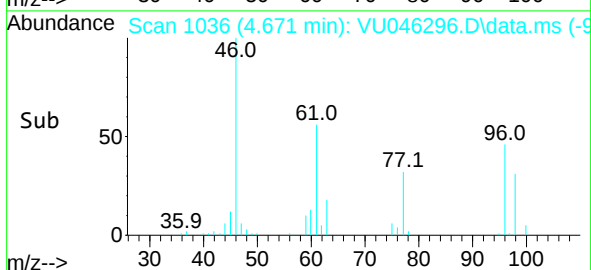
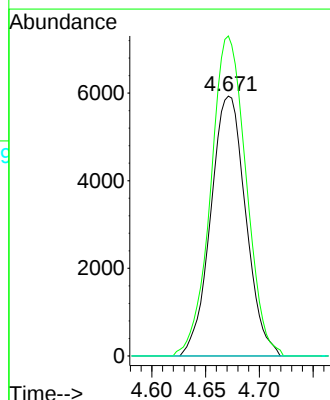
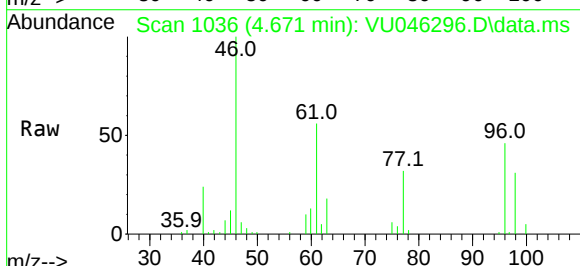
Tgt Ion: 96 Resp: 13417

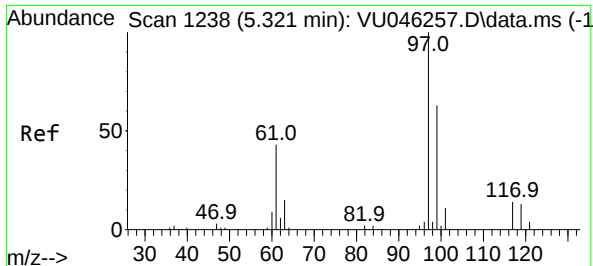
Ion Ratio Lower Upper

96 100

61 123.2 86.8 161.2

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 51.043 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU046296.D

Acq: 11 Dec 2021 18:50

Instrument :

MSVOA_U

ClientSampleId :

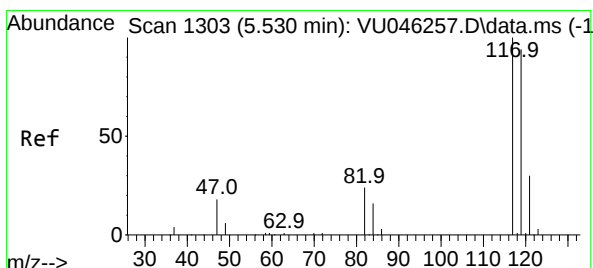
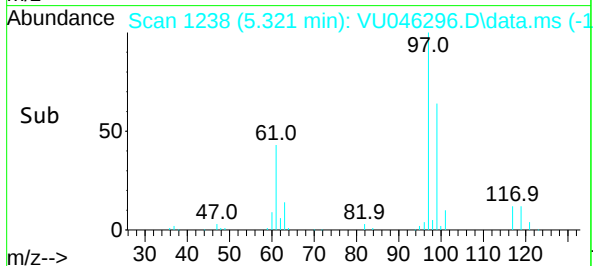
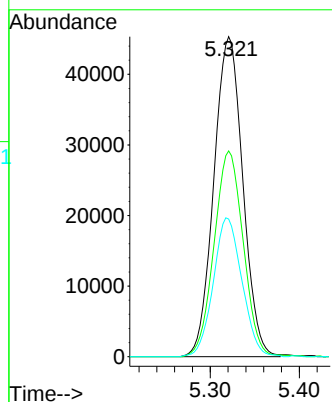
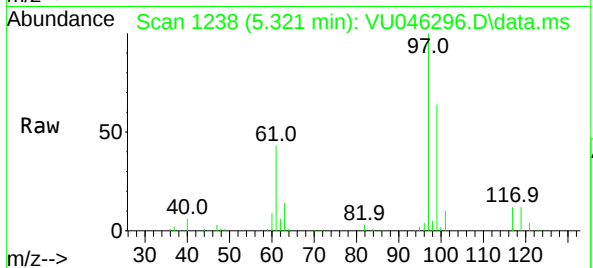
Tgt Ion: 97 Resp: 102484

Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.6

61 42.8 34.4 51.6



#31

Carbon tetrachloride

Concen: 7.540 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.209 min

Lab File: VU046296.D

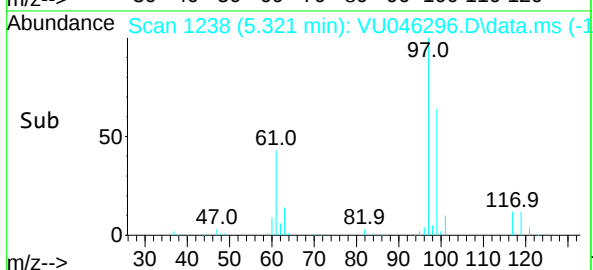
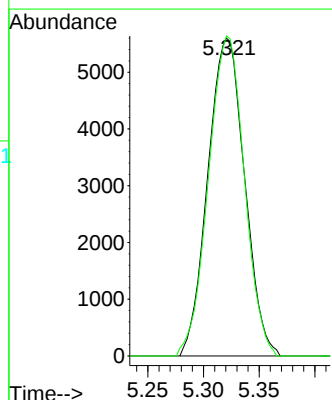
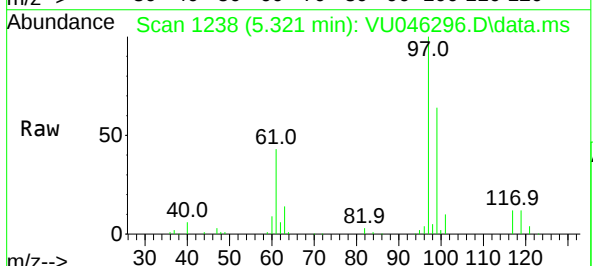
Acq: 11 Dec 2021 18:50

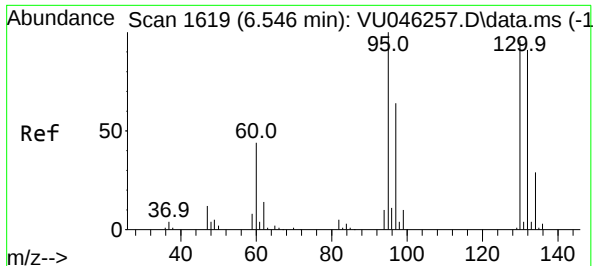
Tgt Ion: 117 Resp: 12852

Ion Ratio Lower Upper

117 100

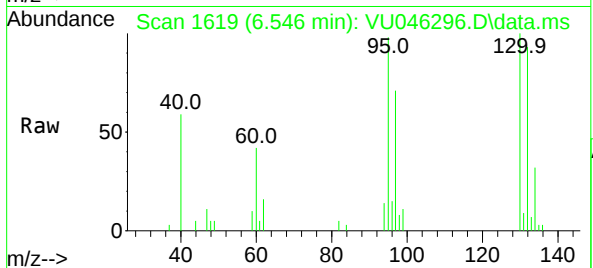
119 98.2 75.7 113.5



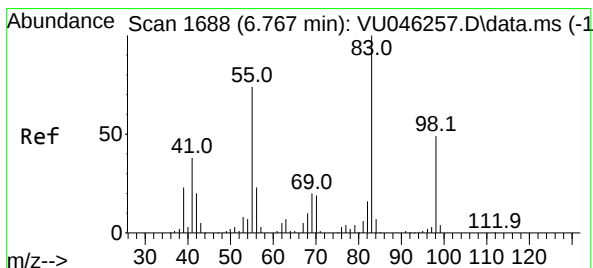
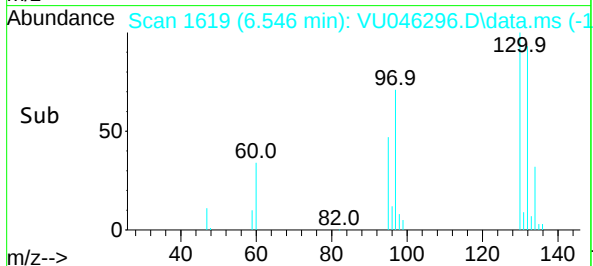
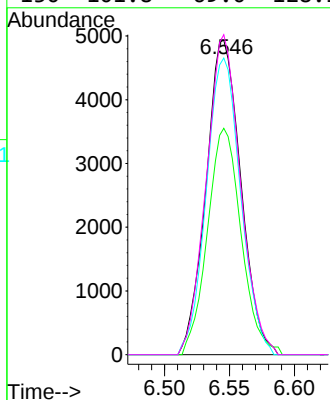


#34
Trichloroethene
Concen: 7.057 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046296.D
Acq: 11 Dec 2021 18:50

Instrument :
MSVOA_U
ClientSampleId :

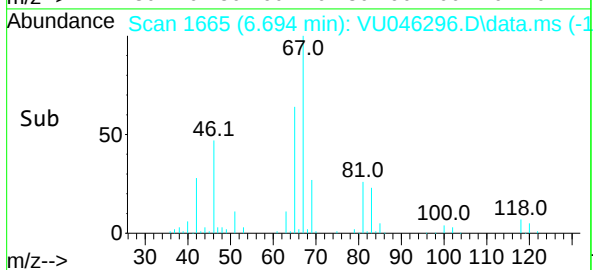
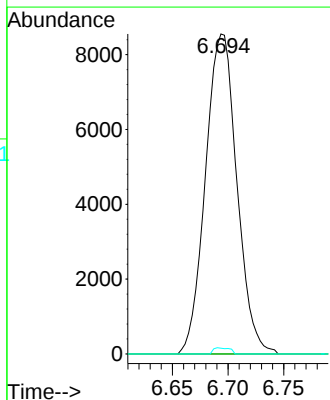
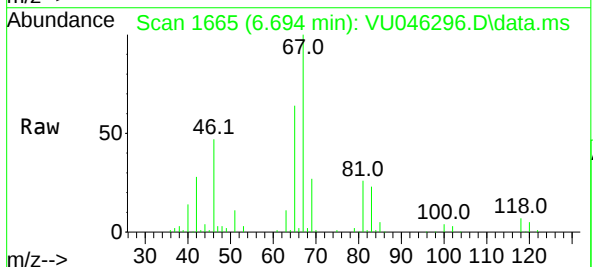


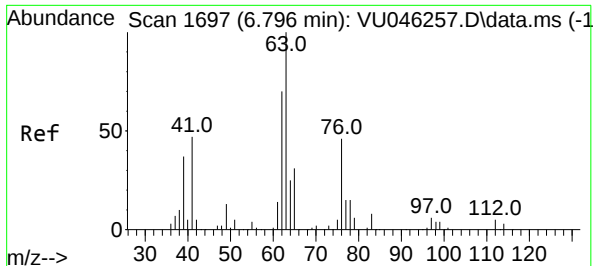
Tgt Ion: 95	Resp: 9203
Ion Ratio	Lower Upper
95 100	
97 72.0	44.1 81.9
132 94.4	66.8 124.0
130 101.8	69.0 128.1



#35
Methylcyclohexane
Concen: 8.300 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046296.D
Acq: 11 Dec 2021 18:50

Tgt Ion: 83	Resp: 16784
Ion Ratio	Lower Upper
83 100	
55 0.0	57.8 86.6#
98 0.7	38.4 57.6#





#37

1,2-Dichloropropane

Concen: 5.898 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046296.D

Acq: 11 Dec 2021 18:50

Instrument :

MSVOA_U

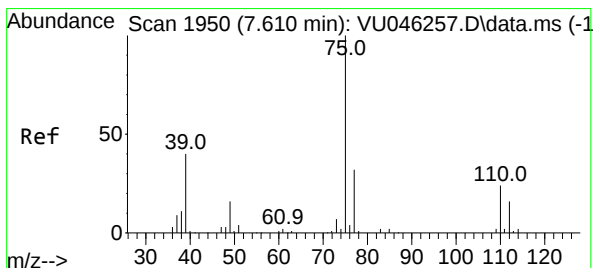
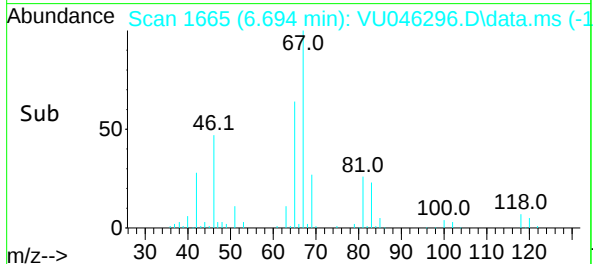
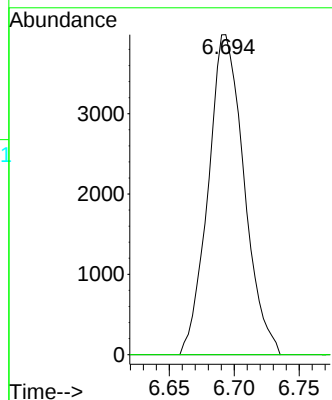
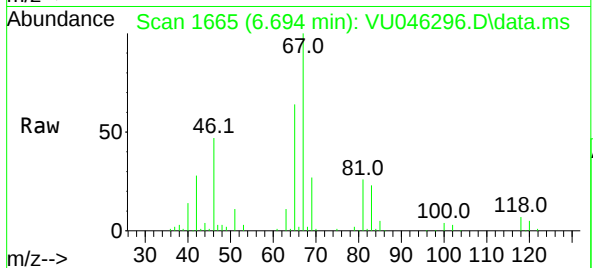
ClientSampleId :

Tgt Ion: 63 Resp: 7649

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 1.054 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046296.D

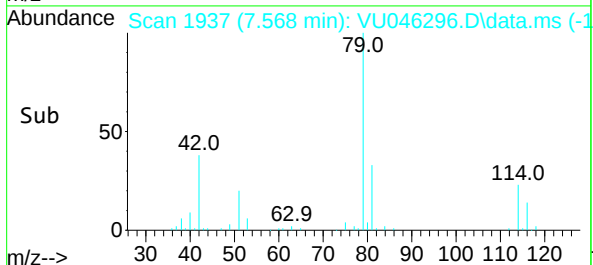
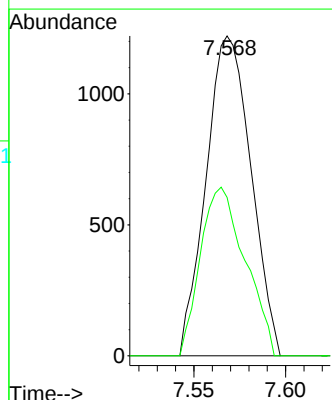
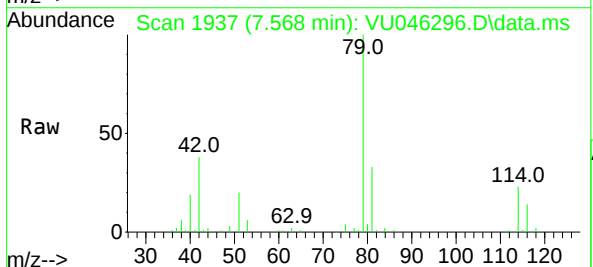
Acq: 11 Dec 2021 18:50

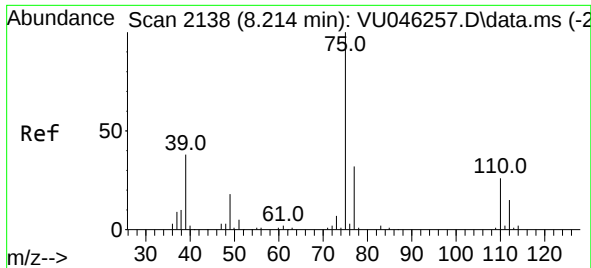
Tgt Ion: 75 Resp: 2080

Ion Ratio Lower Upper

75 100

77 49.5 21.8 40.6#

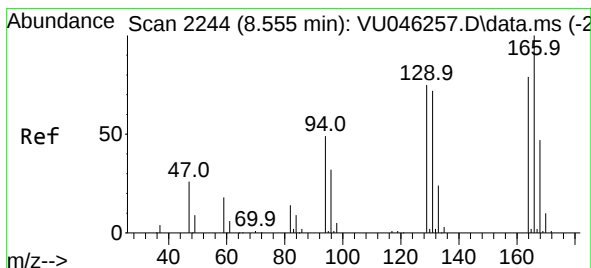
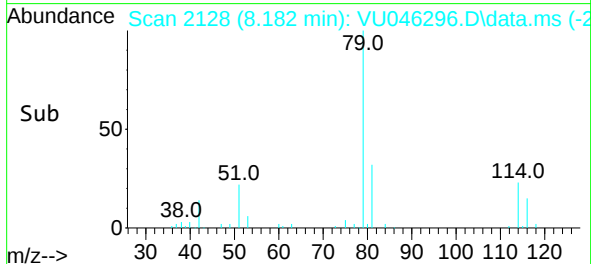
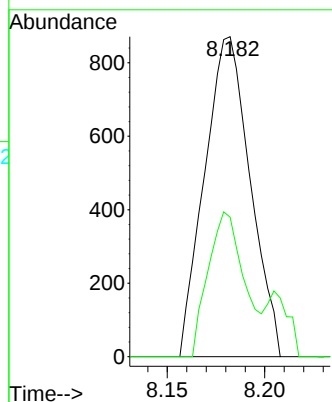
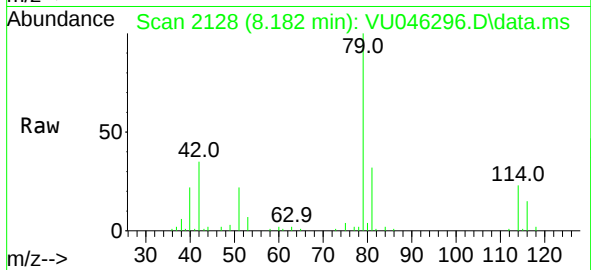




#44
trans-1,3-Dichloropropene
Concen: 0.730 ug/L
RT: 8.182 min Scan# 2138
Delta R.T. -0.032 min
Lab File: VU046296.D
Acq: 11 Dec 2021 18:50

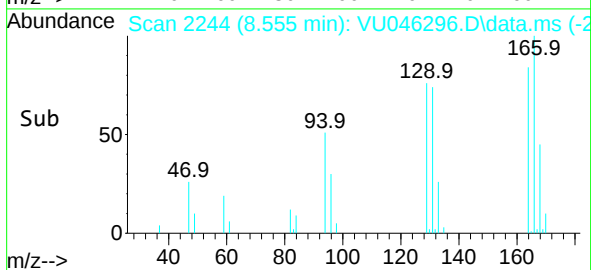
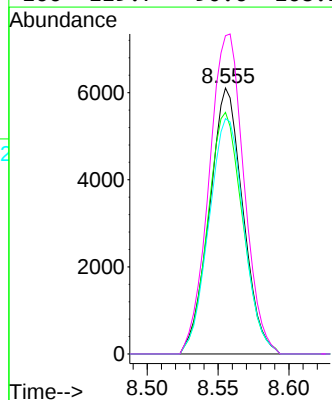
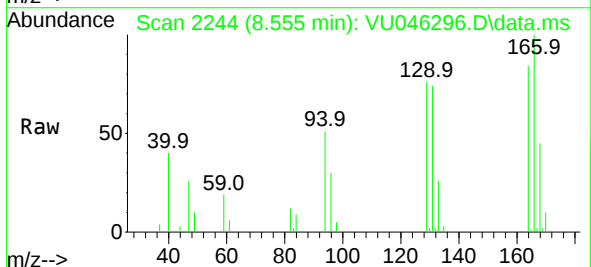
Instrument :
MSVOA_U
ClientSampleId :

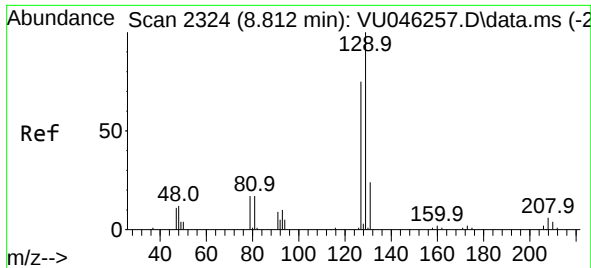
Tgt Ion: 75 Resp: 1415
Ion Ratio Lower Upper
75 100
77 43.6 21.7 40.3#



#46
Tetrachloroethene
Concen: 10.498 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046296.D
Acq: 11 Dec 2021 18:50

Tgt Ion: 164 Resp: 10061
Ion Ratio Lower Upper
164 100
129 90.8 71.1 132.1
131 88.5 67.8 126.0
166 119.7 90.6 168.2

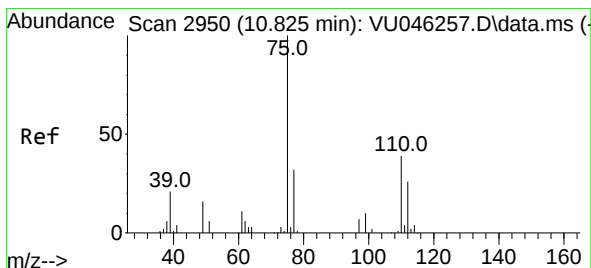
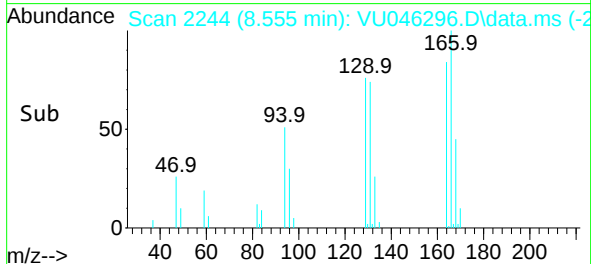
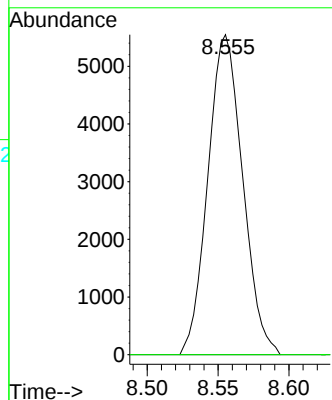
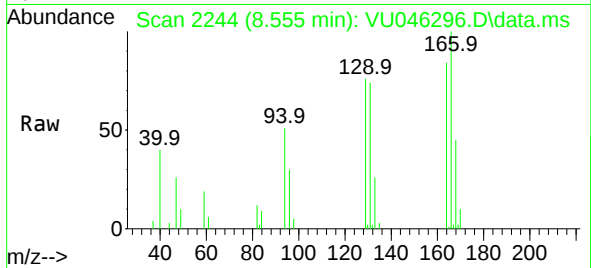




#49
Dibromochloromethane
Concen: 6.945 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU046296.D
Acq: 11 Dec 2021 18:50

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:129 Resp: 9488
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#



#60
1,2,3-Trichloropropane
Concen: 5.681 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046296.D
Acq: 11 Dec 2021 18:50

Tgt Ion: 75 Resp: 10114
Ion Ratio Lower Upper
75 100
77 34.3 26.4 39.6
110 2.5 32.4 48.6#

