Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
Data File : VU041873.D
Acq On : 07 Jan 2021 15:29
Operator : SY/MD
Sample : M1026-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId :

Quant Time: Jan 08 04:59:35 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 08 04:58:19 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	145406	5.00 ug/L	0.00
28) Chlorobenzene-d5	9.42	117	132127	5.00 ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	57338	5.00 ug/L	0.00

System Monitoring Compounds					
4) Vinyl Chloride-d3	1.60	65	45030	3.96 ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 79.20%		
7) Chloroethane-d5	1.92	69	47250	5.37 ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 107.40%		
11) 1,1-Dichloroethene-d2	2.58	63	66406	3.17 ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 63.40%		
20) 2-Butanone-d5	4.65	46	178567	54.68 ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 109.36%		
24) Chloroform-d	5.08	84	102143	5.24 ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 104.80%		
26) 1,2-Dichloroethane-d4	5.72	65	57847	5.24 ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 104.80%		
32) Benzene-d6	5.74	84	189981	5.02 ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 100.40%		
36) 1,2-Dichloropropane-d6	6.70	67	66343	5.59 ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 111.80%		
41) Toluene-d8	7.90	98	151478	4.44 ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 88.80%		
43) trans-1,3-Dichloropropene-	8.19	79	22615	4.24 ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 84.80%		
46) 2-Hexanone-d5	8.64	63	133039	45.63 ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 91.26%		
57) 1,1,2,2-Tetrachloroethane-	10.75	84	56319	5.23 ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 104.60%		
64) 1,2-Dichlorobenzene-d4	12.19	152	55901	5.48 ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 109.60%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.39	85	2719	0.221 ug/L	91
3) Chloromethane	1.52	50	848	0.071 ug/L #	74
9) Trichlorofluoromethane	2.15	101	1152	0.069 ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	785	0.078 ug/L #	38
12) 1,1-Dichloroethene	2.59	96	1019	0.103 ug/L #	1
13) Acetone	2.66	43	3944	1.899 ug/L	73
16) Methylene chloride	3.06	84	2485	0.211 ug/L	92
17) Methyl tert-butyl Ether	3.38	73	6326	0.240 ug/L	100
18) trans-1,2-Dichloroethene	3.37	96	9113	0.893 ug/L	95
19) 1,1-Dichloroethane	3.89	63	2301	0.121 ug/L	91
22) cis-1,2-Dichloroethene	4.68	96	35520	3.150 ug/L	98
25) Chloroform	5.10	83	1774	0.092 ug/L	90
29) 1,1,1-Trichloroethane	5.33	97	3216	0.212 ug/L	98
34) Trichloroethene	6.55	95	139430	13.131 ug/L	96
35) Methylcyclohexane	6.70	83	14818	0.863 ug/L #	18
37) 1,2-Dichloropropane	6.70	63	6464	0.598 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1328	0.083 ug/L #	58

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
Data File : VU041873.D
Acq On : 07 Jan 2021 15:29
Operator : SY/MD
Sample : M1026-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jan 08 04:59:35 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 08 04:58:19 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) trans-1,3-Dichloropropene	8.18	75	955	0.067 ug/L	98
47) Tetrachloroethene	8.56	164	15073	2.028 ug/L	99
48) 2-Hexanone	8.64	43	15098	2.697 ug/L #	64
49) Dibromochloromethane	8.56	129	15015	1.635 ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6539	0.806 ug/L	98

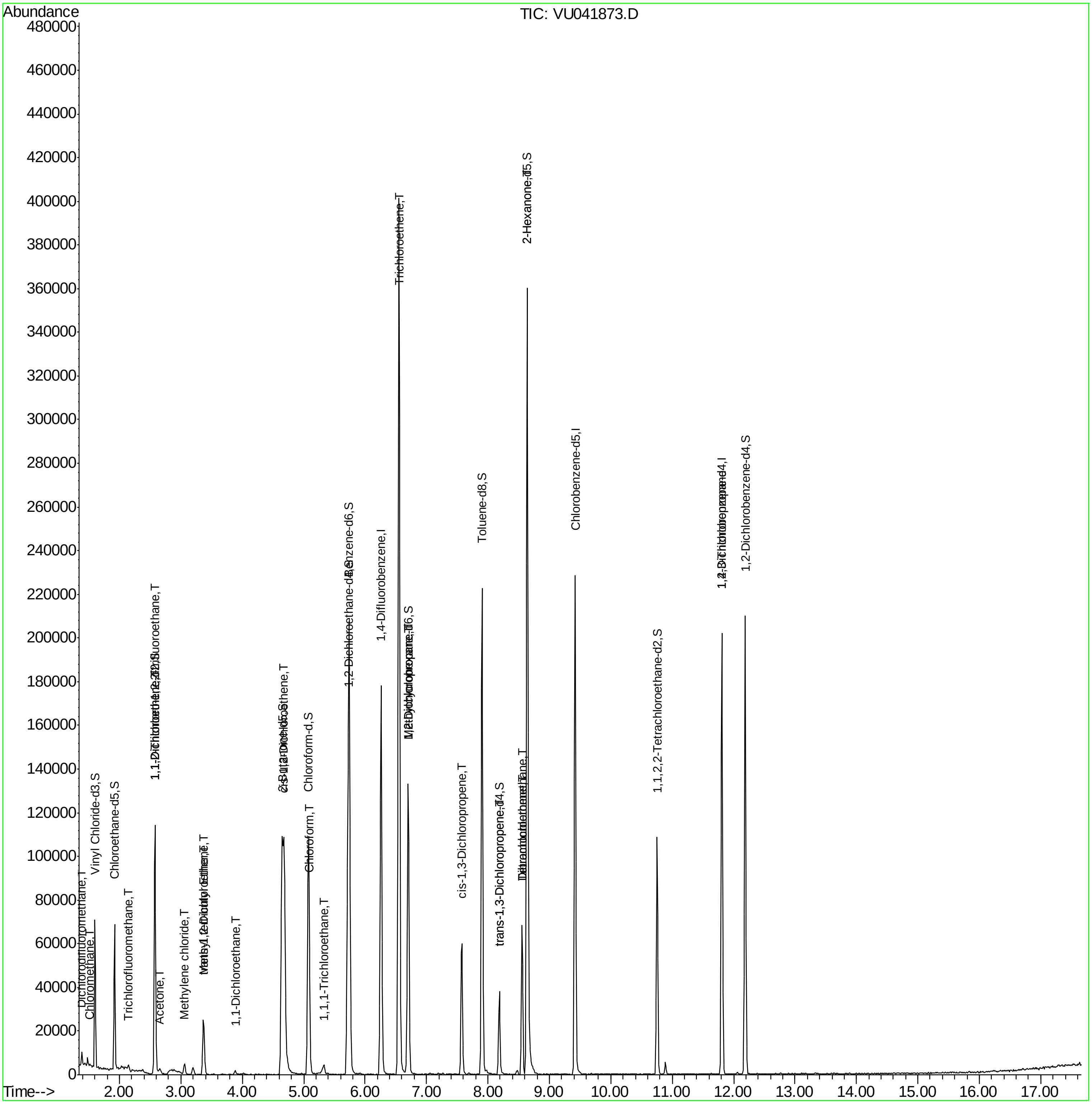
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

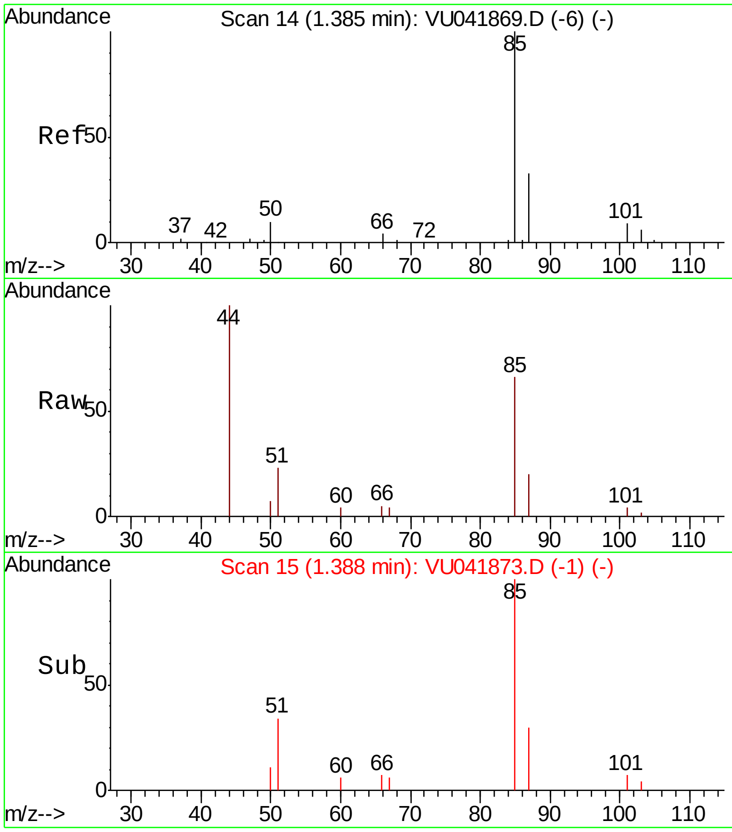
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
Data File : VU041873.D
Acq On : 07 Jan 2021 15:29
Operator : SY/MD
Sample : M1026-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jan 08 04:59:35 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 08 04:58:19 2021
Response via : Initial Calibration



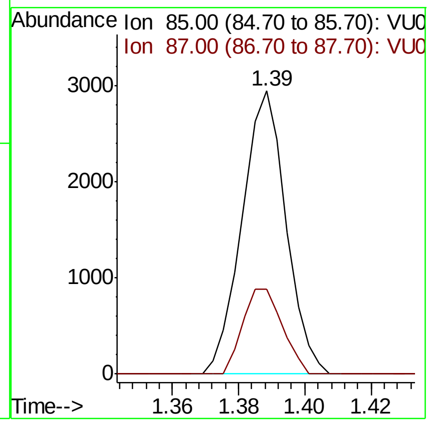
Instrument :
MSVOA_U
ClientSampleId :

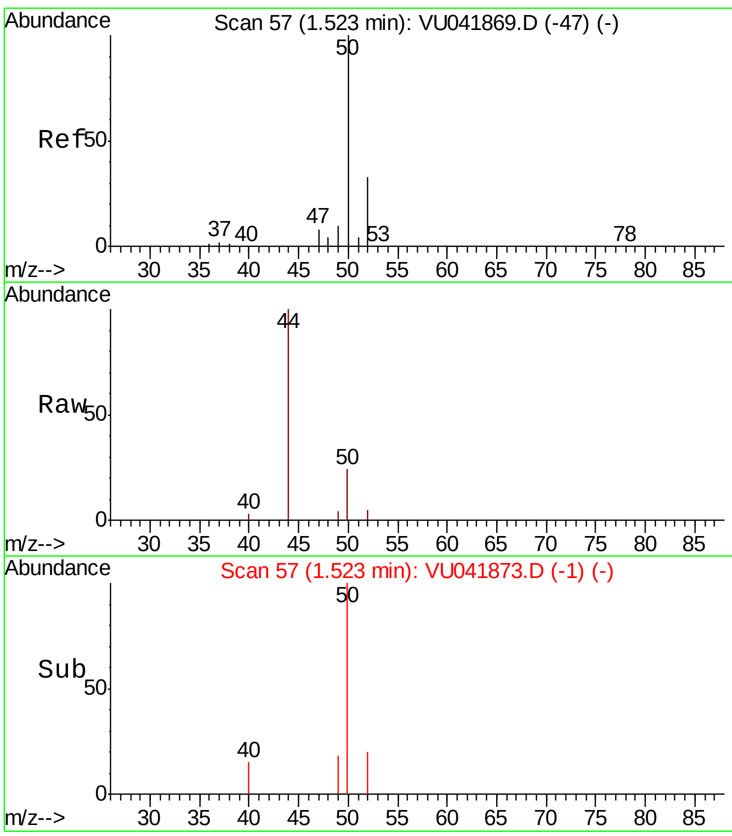


#2
Dichlorodifluoromethane
Concen: 0.221 ug/L
RT: 1.39 min Scan# 15
Delta R.T. 0.00 min
Lab File: VU041873.D
Acq: 07 Jan 2021 15:29

Tgt Ion: 85 Resp: 2719

Ion	Ratio	Lower	Upper
85	100		
87	27.1	25.8	38.6

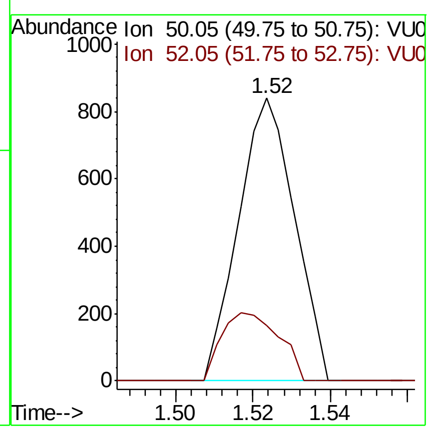


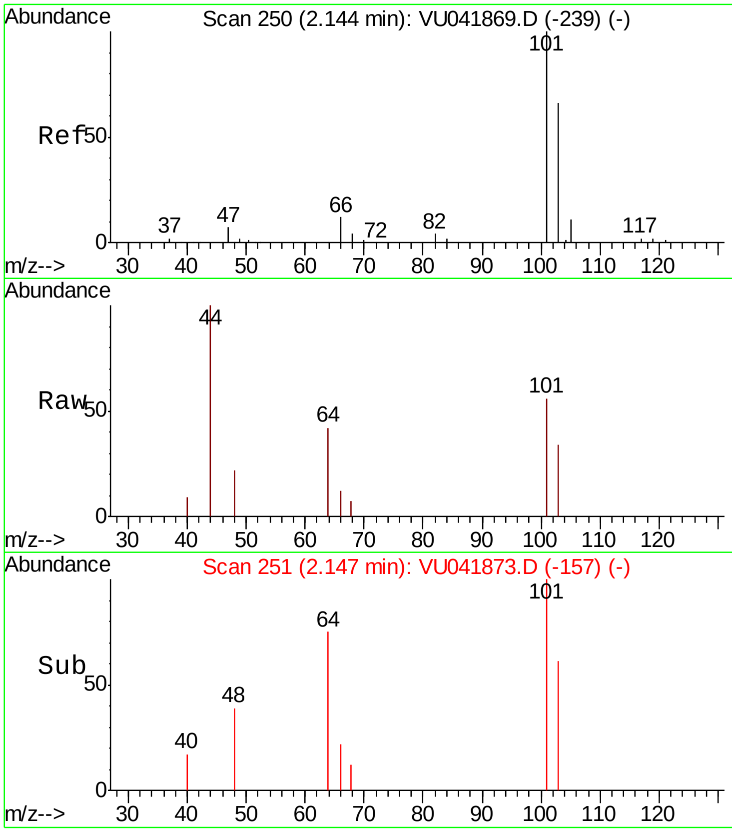


#3
Chloromethane
Concen: 0.071 ug/L
RT: 1.52 min Scan# 57
Delta R.T. 0.00 min
Lab File: VU041873.D
Acq: 07 Jan 2021 15:29

Tgt Ion: 50 Resp: 848

Ion	Ratio	Lower	Upper
50	100		
52	19.5	24.1	44.8#



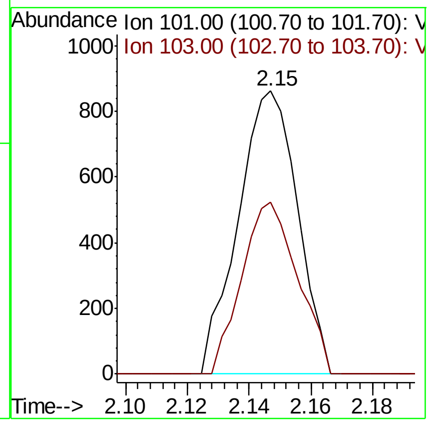


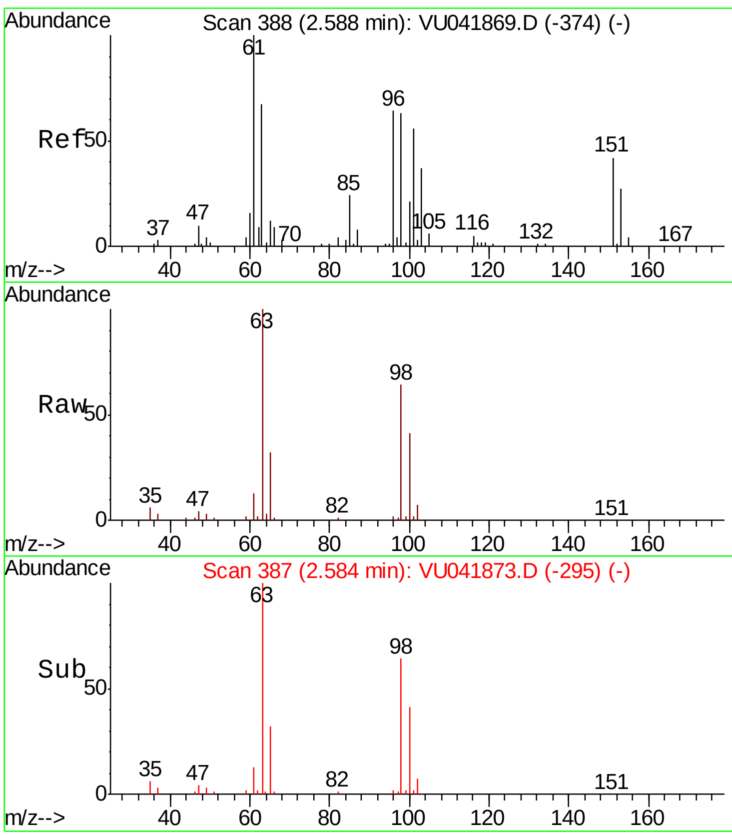
#9
Trichlorofluoromethane
Concen: 0.069 ug/L
RT: 2.15 min Scan# 251
Delta R.T.   0.00 min
Lab File: VU041873.D
Acq: 07 Jan 2021 15:29

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:101 Resp: 1152

Ion	Ratio	Lower	Upper
101	100		
103	57.2	51.1	76.7

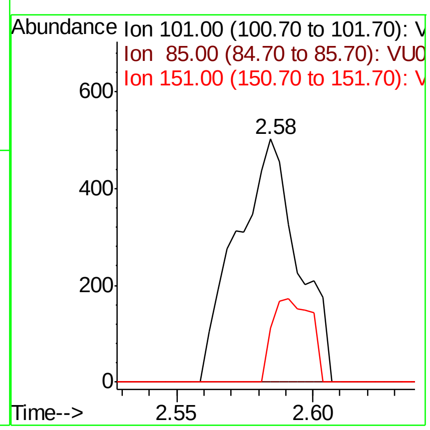


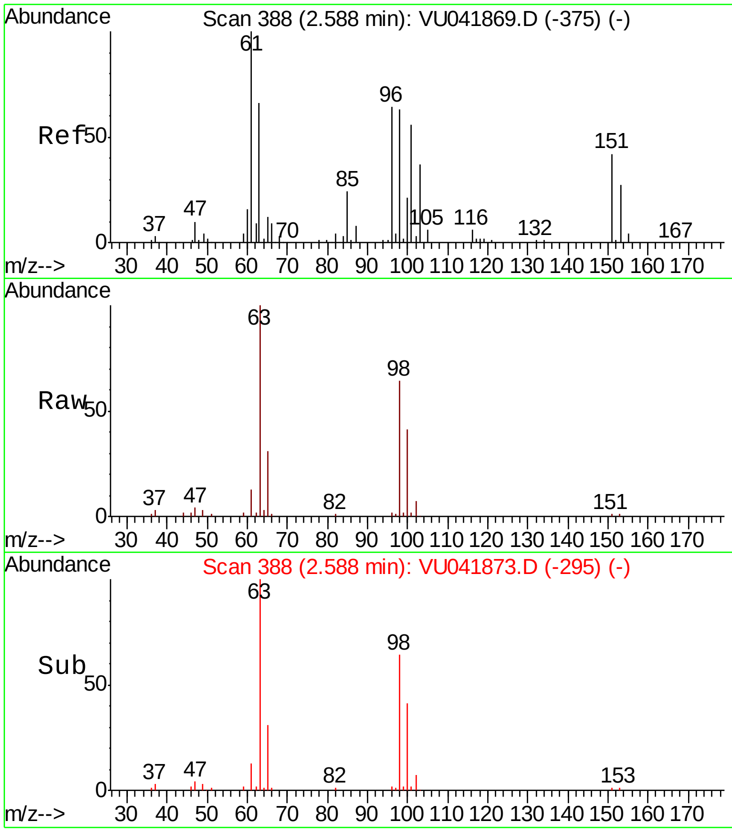


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.078 ug/L
RT: 2.58 min Scan# 387
Delta R.T.   -0.00 min
Lab File: VU041873.D
Acq: 07 Jan 2021 15:29

Tgt Ion:101 Resp: 785

Ion	Ratio	Lower	Upper
101	100		
85	0.0	33.6	50.4#
151	22.0	56.2	84.4#



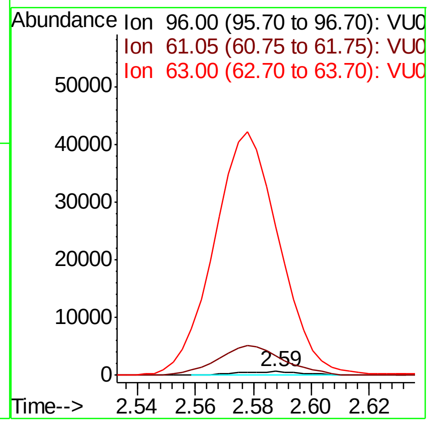


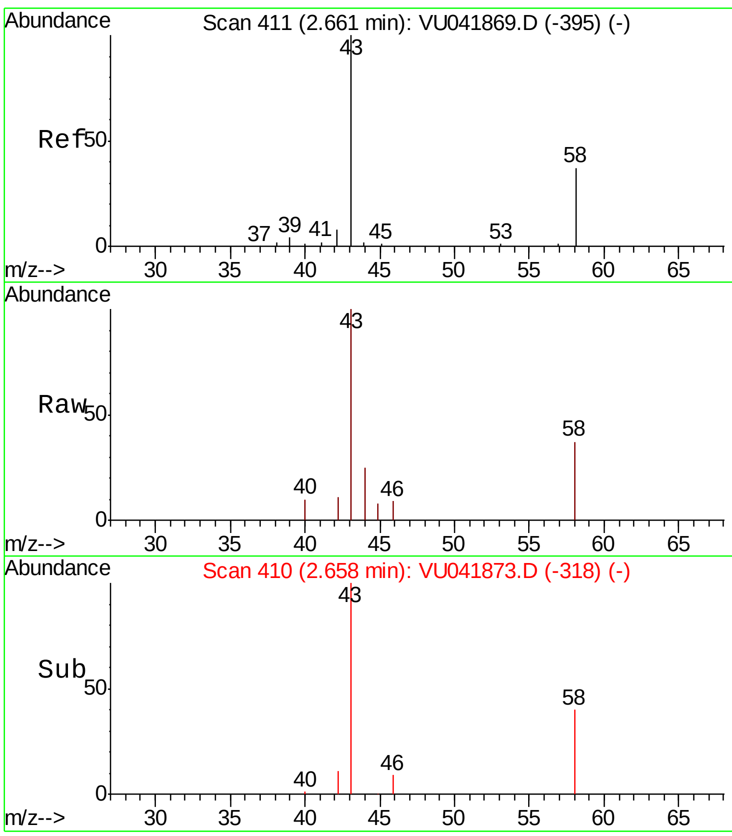
#12
1,1-Dichloroethene
Concen: 0.103 ug/L
RT: 2.59 min Scan# 388
Delta R.T. 0.00 min
Lab File: VU041873.D
Acq: 07 Jan 2021 15:29

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 96 Resp: 1019

Ion	Ratio	Lower	Upper
96	100		
61	545.2	123.8	230.0#
63	4077.3	81.0	150.4#

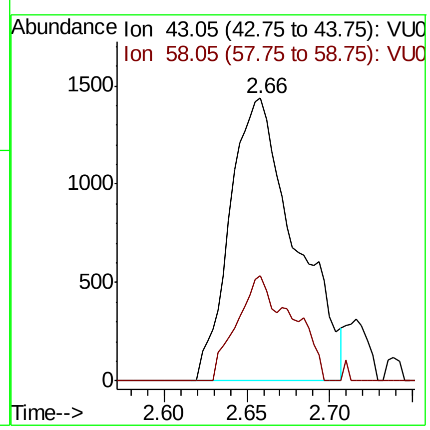


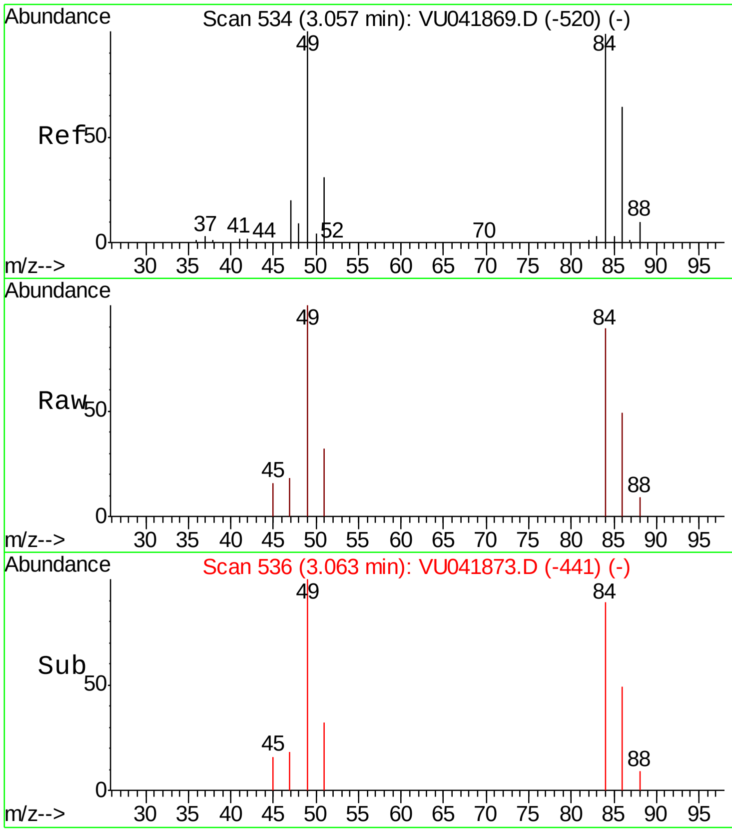


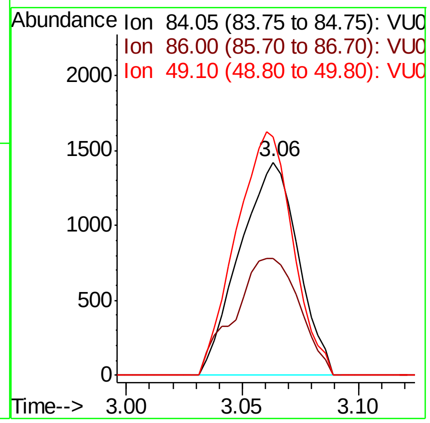
#13
Acetone
Concen: 1.899 ug/L
RT: 2.66 min Scan# 410
Delta R.T. -0.00 min
Lab File: VU041873.D
Acq: 07 Jan 2021 15:29

Tgt Ion: 43 Resp: 3944

Ion	Ratio	Lower	Upper
43	100		
58	20.4	0.0	73.2





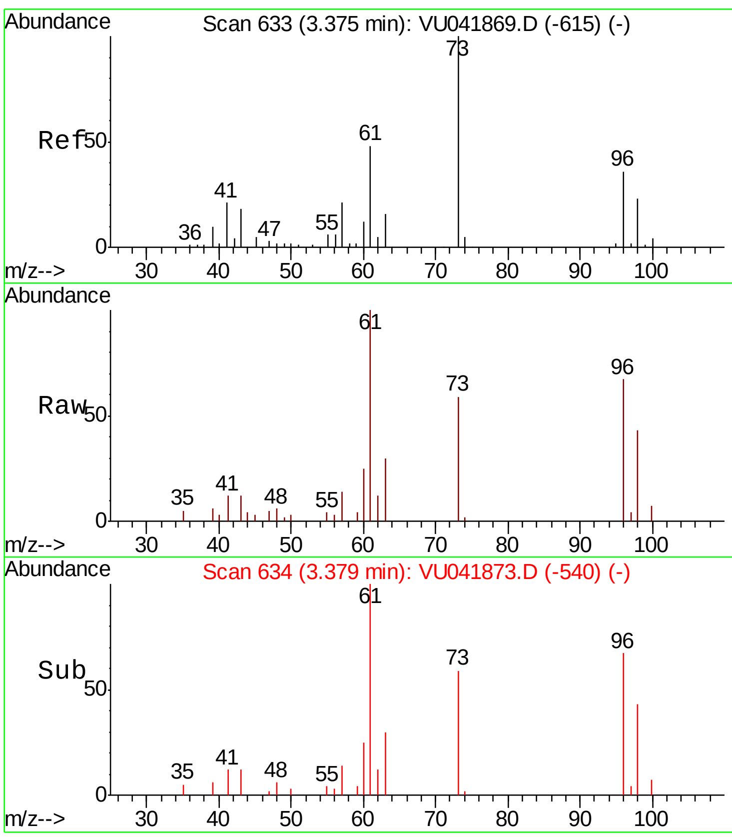


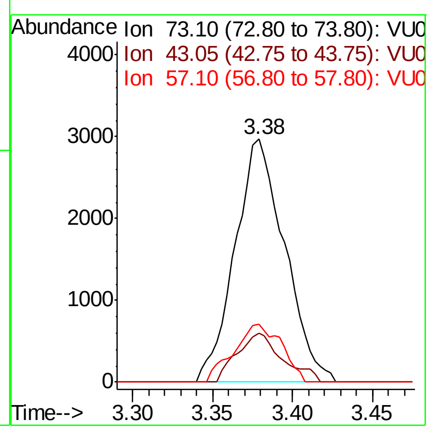
#16
Methylene chloride
Concen: 0.211 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.01 min
Lab File: VU041873.D
Acq: 07 Jan 2021 15:29

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 84 Resp: 2485

Ion	Ratio	Lower	Upper
84	100		
86	54.6	45.1	83.7
49	112.0	83.1	154.3

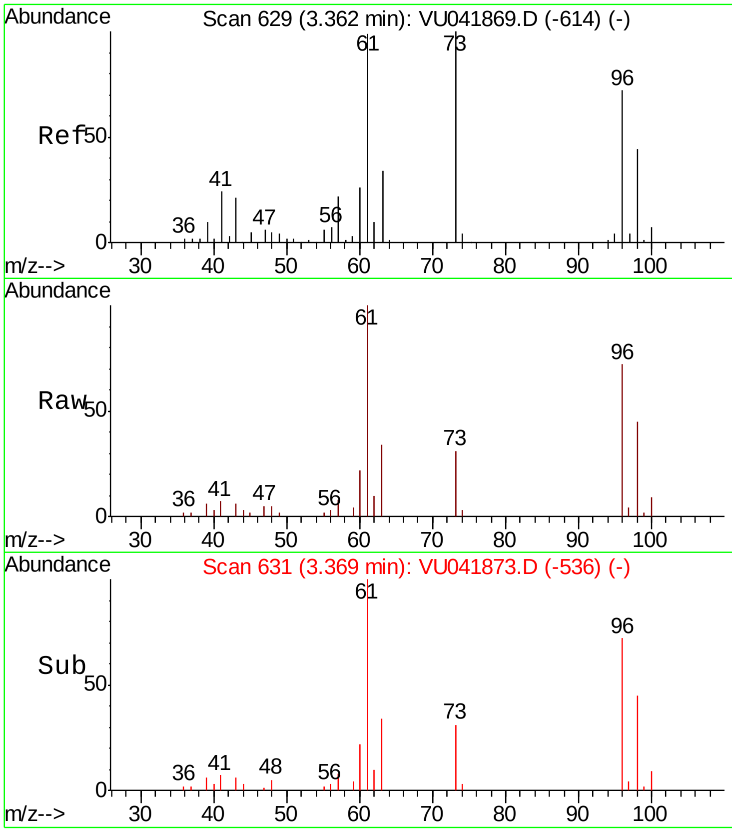




#17
Methyl tert-butyl Ether
Concen: 0.240 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041873.D
Acq: 07 Jan 2021 15:29

Tgt Ion: 73 Resp: 6326

Ion	Ratio	Lower	Upper
73	100		
43	18.3	14.7	22.1
57	22.8	18.2	27.4

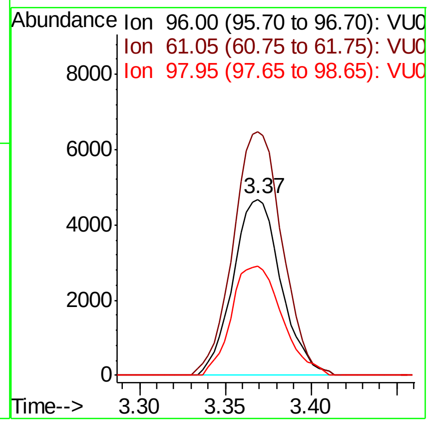


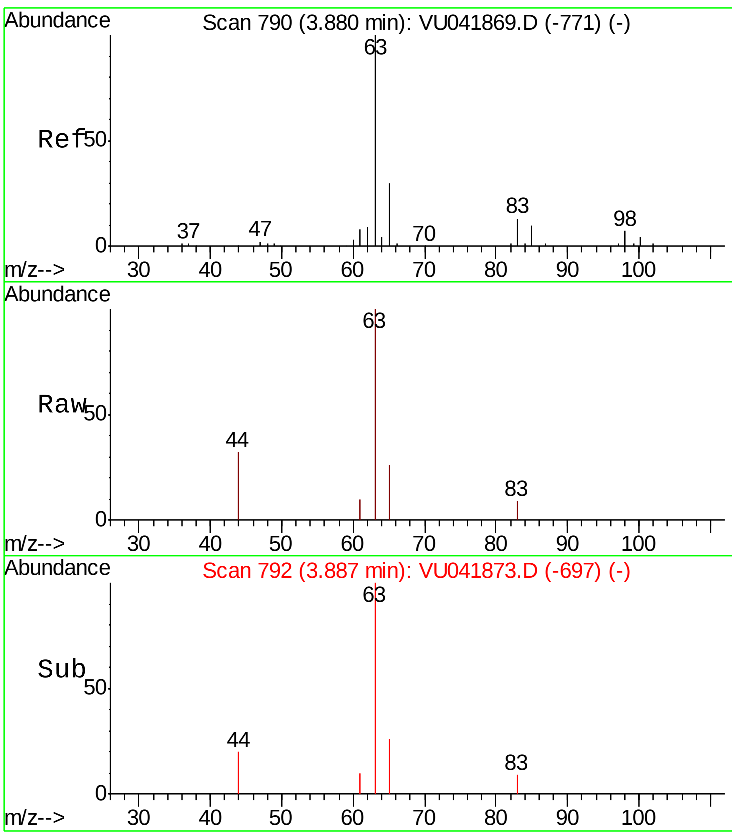
#18
trans-1,2-Dichloroethene
Concen: 0.893 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.01 min
Lab File: VU041873.D
Acq: 07 Jan 2021 15:29

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 96 Resp: 9113

Ion	Ratio	Lower	Upper
96	100		
61	138.2	101.8	189.0
98	61.8	44.4	82.5

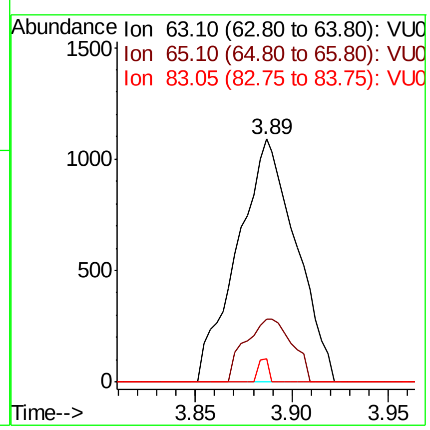


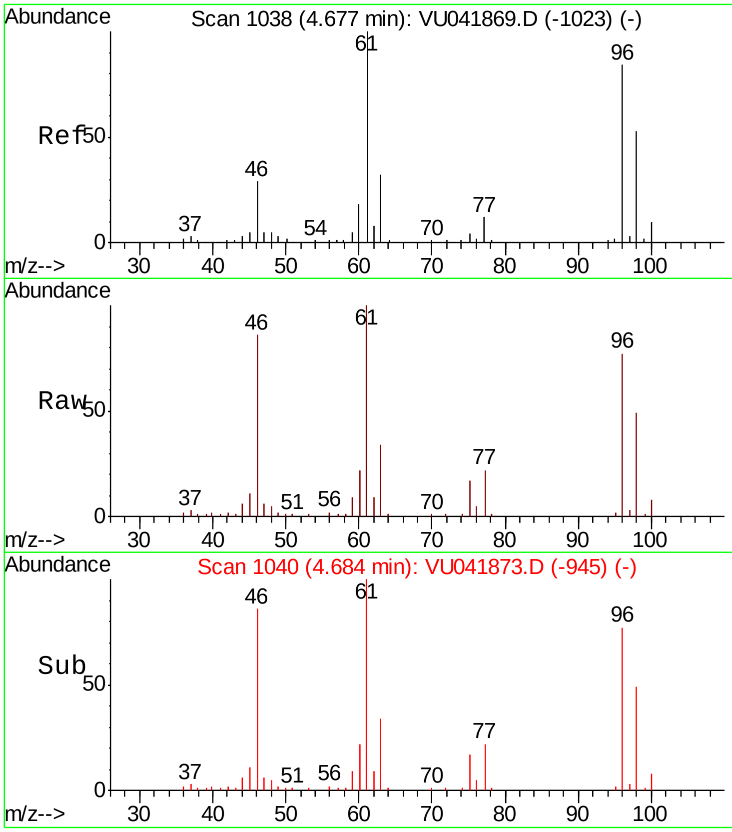


#19
1,1-Dichloroethane
Concen: 0.121 ug/L
RT: 3.89 min Scan# 792
Delta R.T. 0.01 min
Lab File: VU041873.D
Acq: 07 Jan 2021 15:29

Tgt Ion: 63 Resp: 2301

Ion	Ratio	Lower	Upper
63	100		
65	25.8	21.3	39.6
83	9.4	9.3	17.3



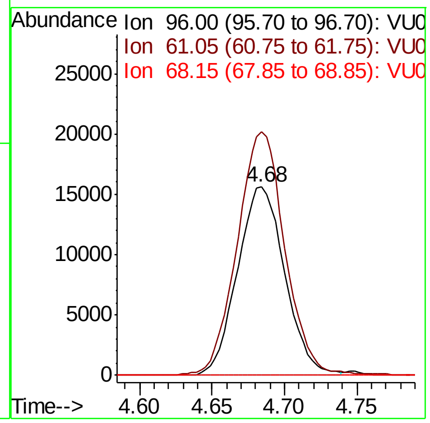


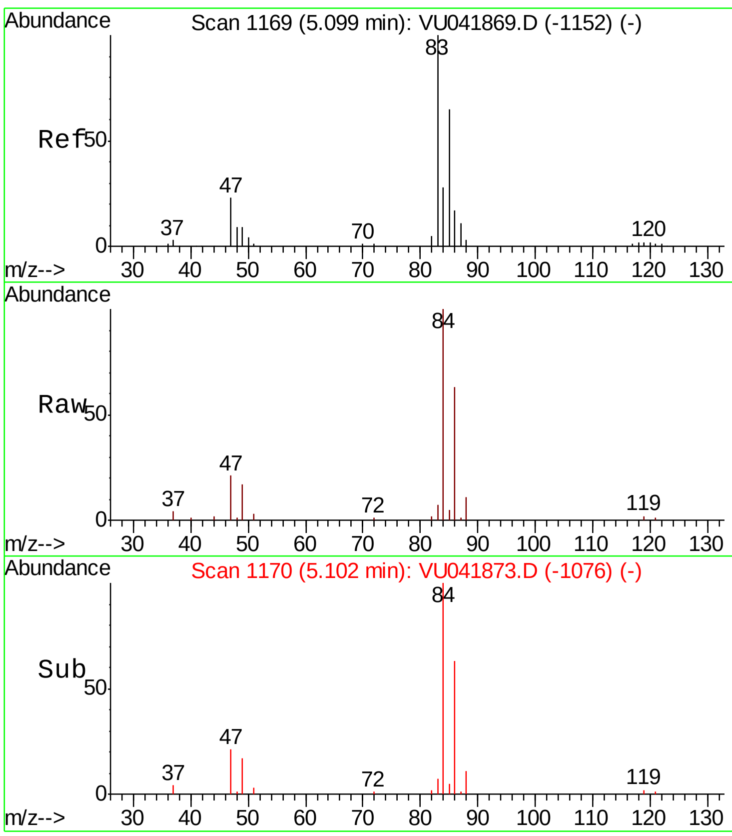
#22
cis-1,2-Dichloroethene
Concen: 3.150 ug/L
RT: 4.68 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VU041873.D
Acq: 07 Jan 2021 15:29

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 96 Resp: 35520

Ion	Ratio	Lower	Upper
96	100		
61	129.5	88.8	165.0
68	0.0	0.0	0.0

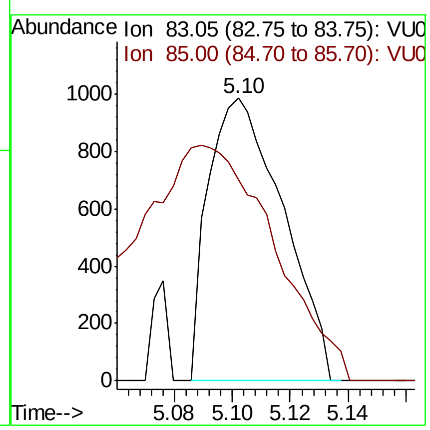


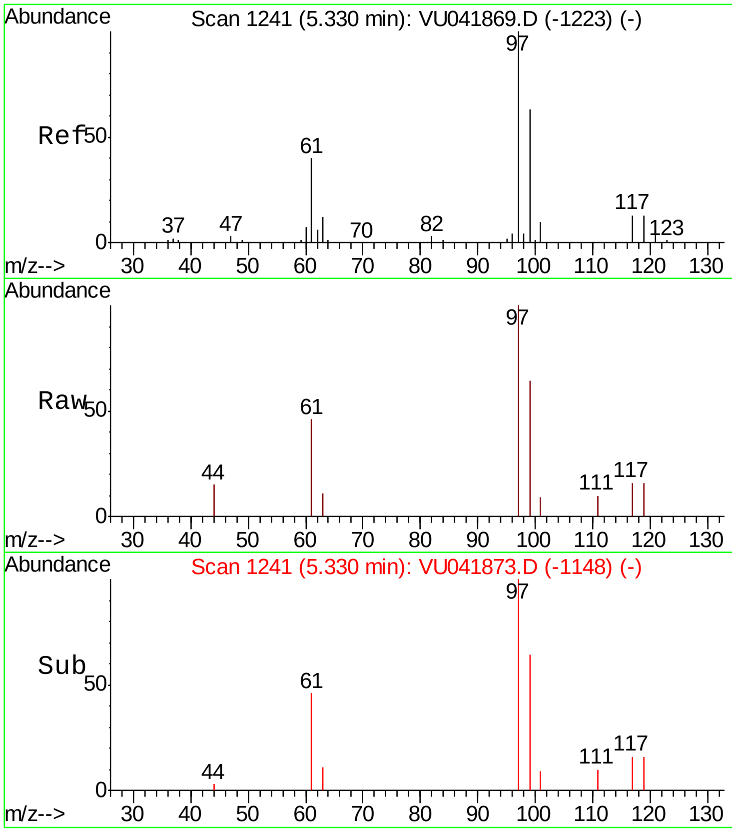


#25
Chloroform
Concen: 0.092 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VU041873.D
Acq: 07 Jan 2021 15:29

Tgt Ion: 83 Resp: 1774

Ion	Ratio	Lower	Upper
83	100		
85	71.0	44.2	82.0



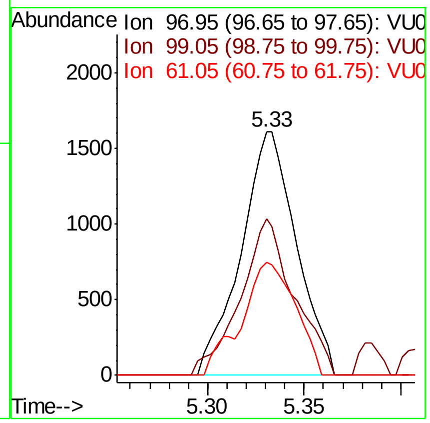


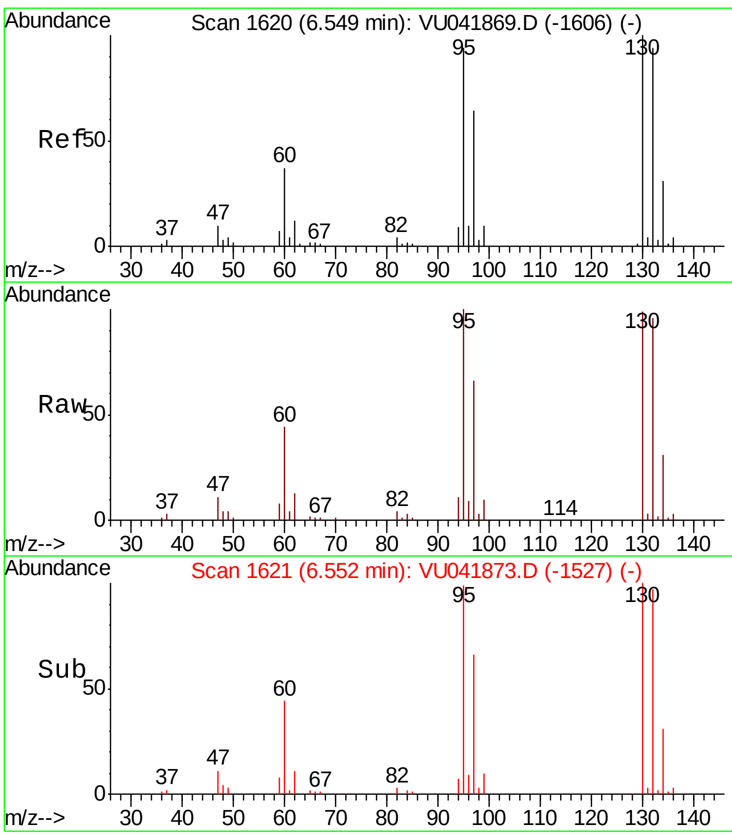
#29
1,1,1-Trichloroethane
Concen: 0.212 ug/L
RT: 5.33 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VU041873.D
Acq: 07 Jan 2021 15:29

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 3216

Ion	Ratio	Lower	Upper
97	100		
99	62.2	51.3	76.9
61	45.4	36.5	54.7

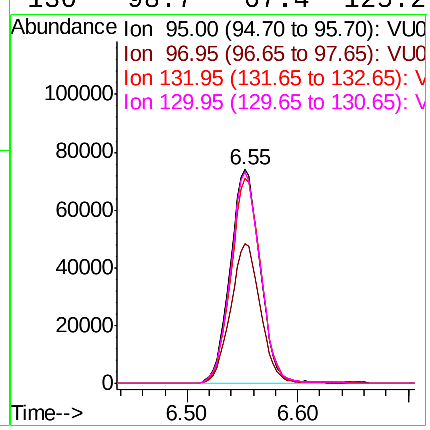


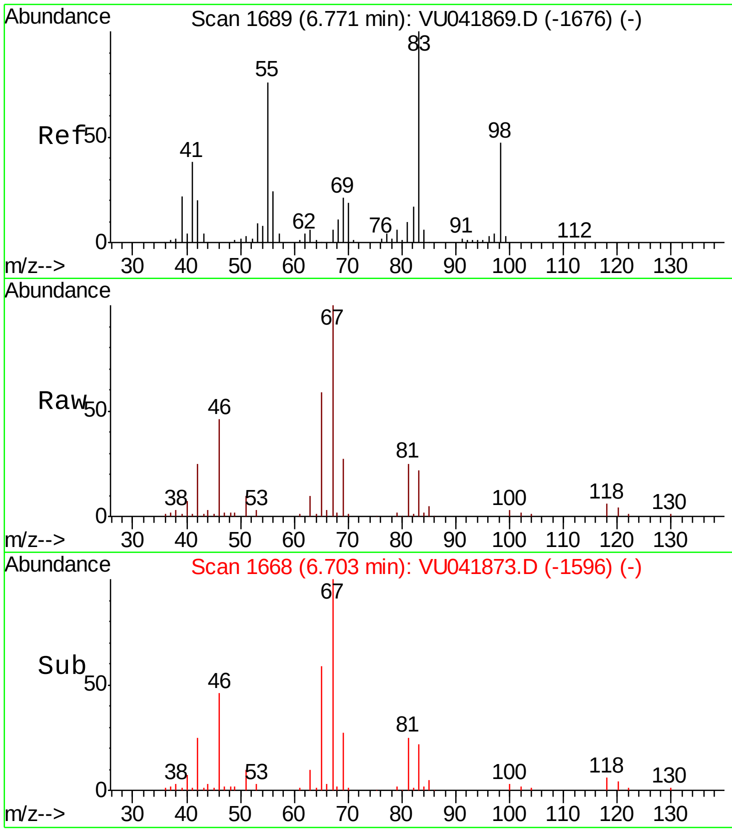


#34
Trichloroethene
Concen: 13.131 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VU041873.D
Acq: 07 Jan 2021 15:29

Tgt Ion: 95 Resp: 139430

Ion	Ratio	Lower	Upper
95	100		
97	65.5	43.9	81.5
132	96.0	63.1	117.3
130	98.7	67.4	125.2



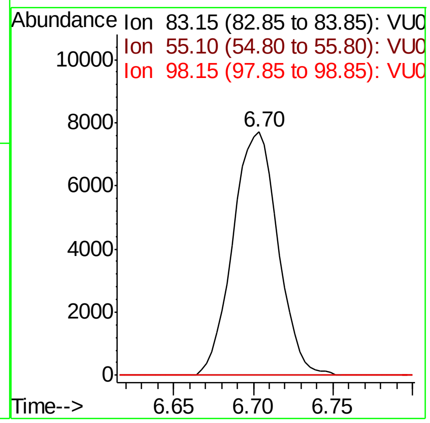


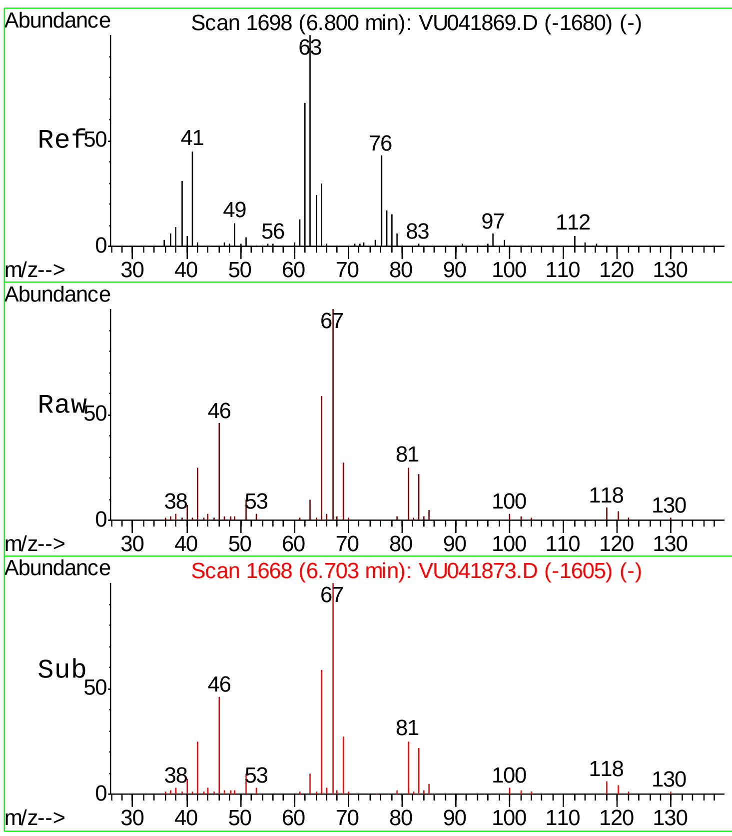
#35
Methylcyclohexane
Concen: 0.863 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041873.D
Acq: 07 Jan 2021 15:29

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 83 Resp: 14818

Ion	Ratio	Lower	Upper
83	100		
55	0.0	61.2	91.8#
98	0.0	36.6	54.8#

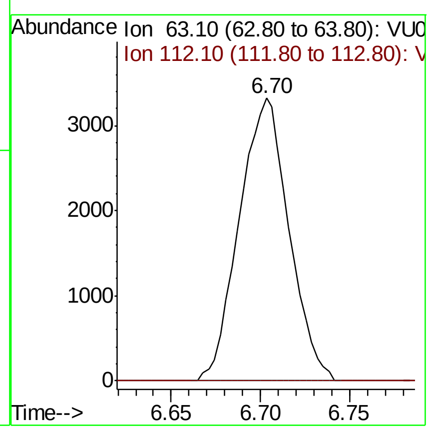


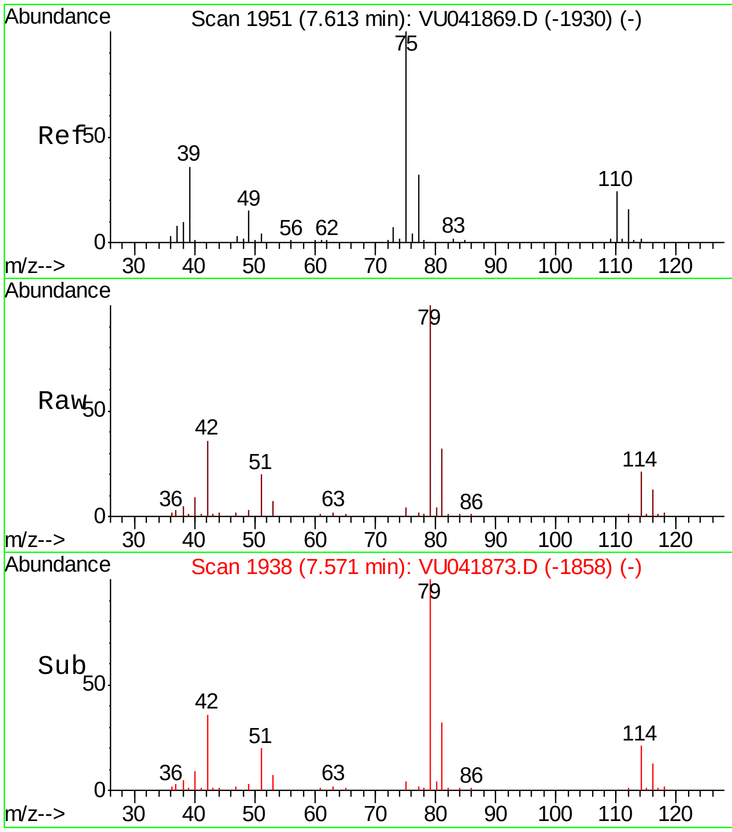


#37
1,2-Dichloropropane
Concen: 0.598 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041873.D
Acq: 07 Jan 2021 15:29

Tgt Ion: 63 Resp: 6464

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.1	4.7#



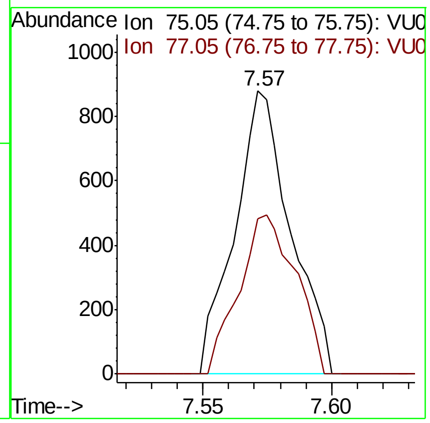


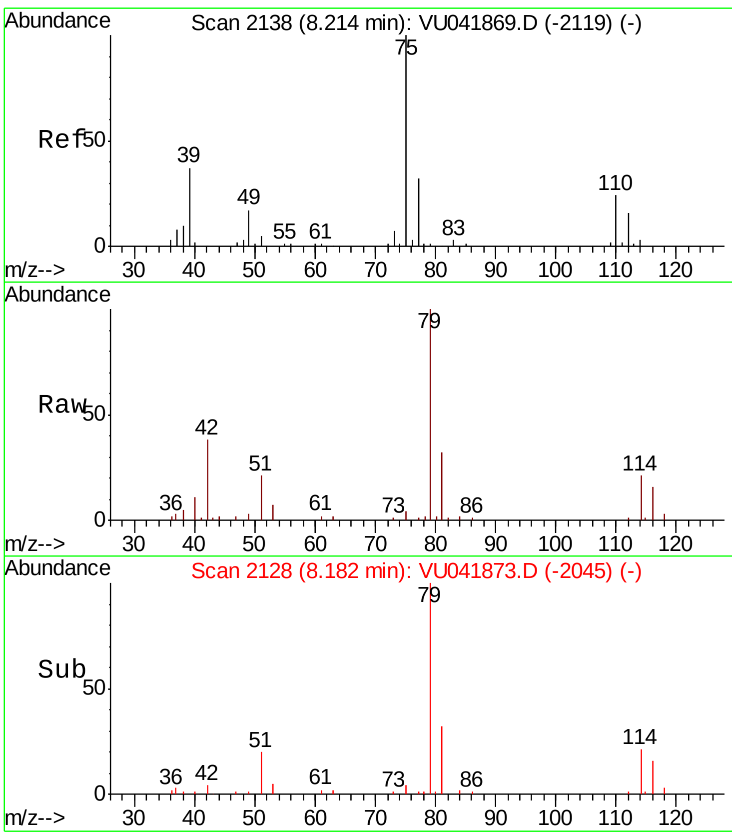
#39
cis-1,3-Dichloropropene
Concen: 0.083 ug/L
RT: 7.57 min Scan# 1938
Delta R.T.   -0.04 min
Lab File: VU041873.D
Acq: 07 Jan 2021 15:29

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 1328

Ion	Ratio	Lower	Upper
75	100		
77	54.9	22.3	41.3#

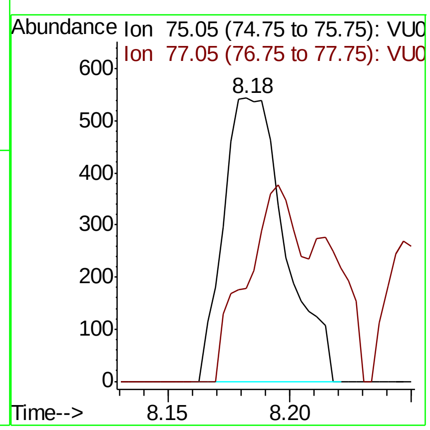


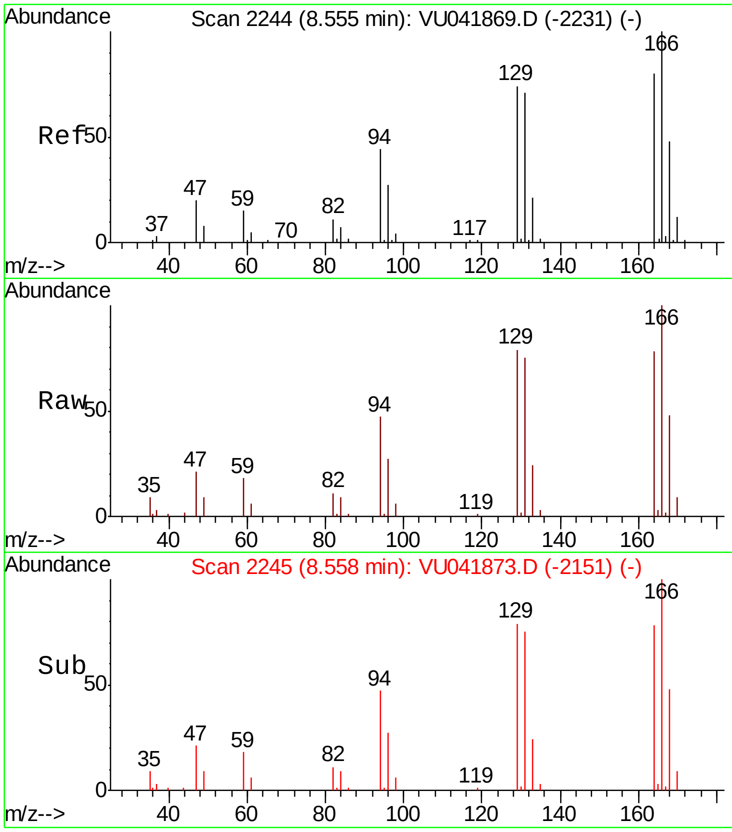


#44
trans-1,3-Dichloropropene
Concen: 0.067 ug/L
RT: 8.18 min Scan# 2128
Delta R.T.   -0.03 min
Lab File: VU041873.D
Acq: 07 Jan 2021 15:29

Tgt Ion: 75 Resp: 955

Ion	Ratio	Lower	Upper
75	100		
77	33.0	23.8	44.2



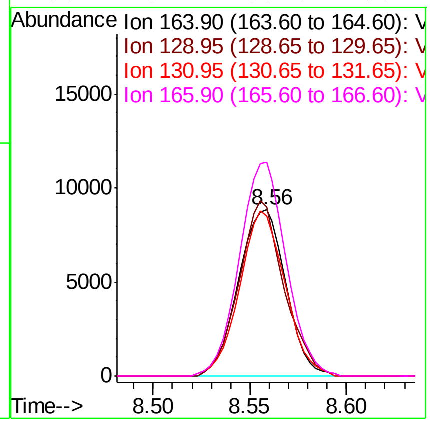


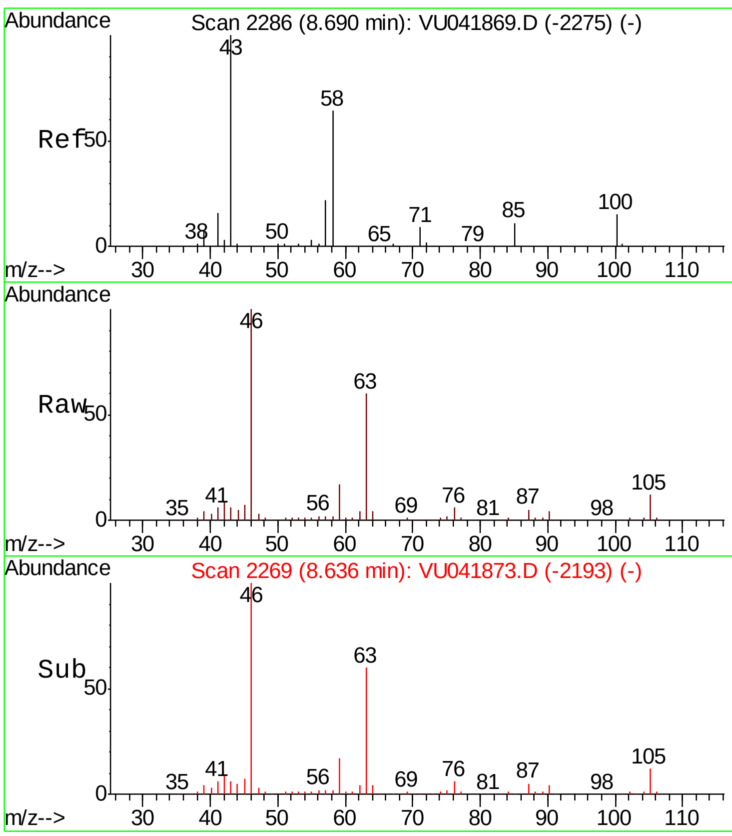
#47
Tetrachloroethene
Concen: 2.028 ug/L
RT: 8.56 min   Scan# 2245
Delta R.T.   0.00 min
Lab File: VU041873.D
Acq: 07 Jan 2021   15:29

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:164 Resp: 15073

Ion	Ratio	Lower	Upper
164	100		
129	101.4	72.2	134.0
131	96.5	66.9	124.3
166	128.4	89.6	166.4

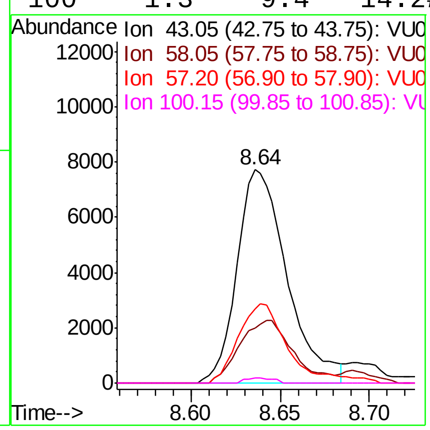




#48
2-Hexanone
Concen: 2.697 ug/L
RT: 8.64 min   Scan# 2269
Delta R.T.   -0.05 min
Lab File: VU041873.D
Acq: 07 Jan 2021   15:29

Tgt Ion: 43 Resp: 15098

Ion	Ratio	Lower	Upper
43	100		
58	31.5	47.9	71.9#
57	37.1	16.5	24.7#
100	1.3	9.4	14.2#

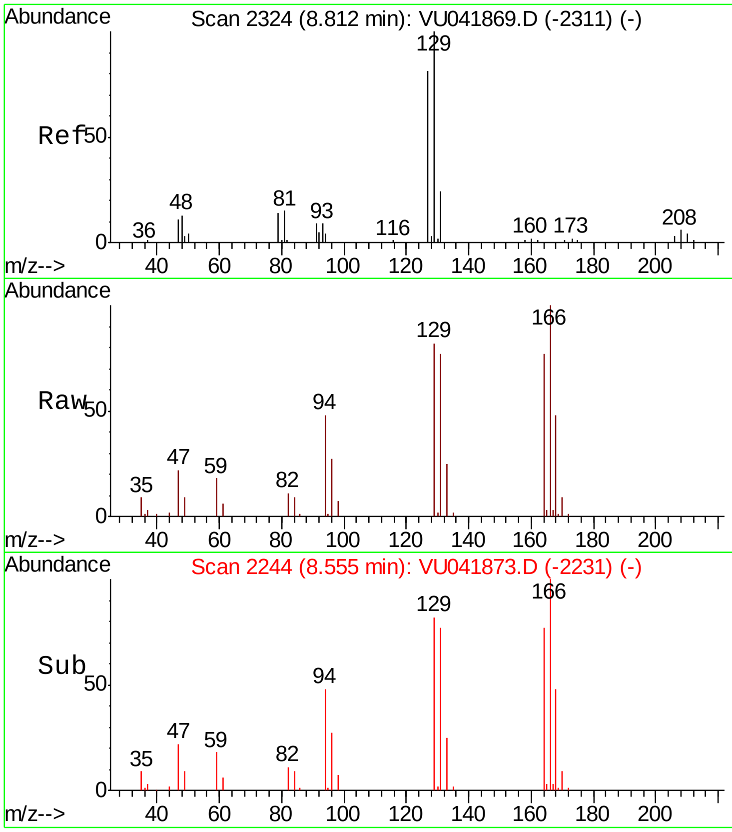


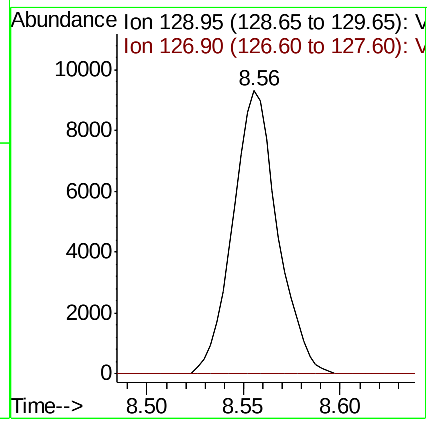
#49
Dibromochloromethane
Concen: 1.635 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041873.D
Acq: 07 Jan 2021 15:29

Tgt Ion:129 Resp: 15015

Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.7	101.7#

Instrument :
MSVOA_U
ClientSampleId :





#59
1,2,3-Trichloropropane
Concen: 0.806 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU041873.D
Acq: 07 Jan 2021 15:29

Tgt Ion: 75 Resp: 6539

Ion	Ratio	Lower	Upper
75	100		
77	34.0	26.2	39.2