

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121020\
 Data File : VU041554.D
 Acq On : 10 Dec 2020 23:10
 Operator : SY/MD
 Sample : L5023-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AY4

Quant Time: Dec 11 07:34:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 11 07:33:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	39817	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	36890	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	21824	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	9868	4.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.60%
7) Chloroethane-d5	1.92	69	9083	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.20%
11) 1,1-Dichloroethene-d2	2.58	63	19798	4.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.00%
20) 2-Butanone-d5	4.66	46	28993	37.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.62%
24) Chloroform-d	5.08	84	29337	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
26) 1,2-Dichloroethane-d4	5.72	65	18859	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.74	84	46022	5.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.00%
36) 1,2-Dichloropropane-d6	6.70	67	9518	3.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.20%
41) Toluene-d8	7.91	98	36570	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
43) trans-1,3-Dichloropropene-	8.19	79	6151	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.64	63	19332	32.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	65.26%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	11716	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	21079	5.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.00%

Target Compounds

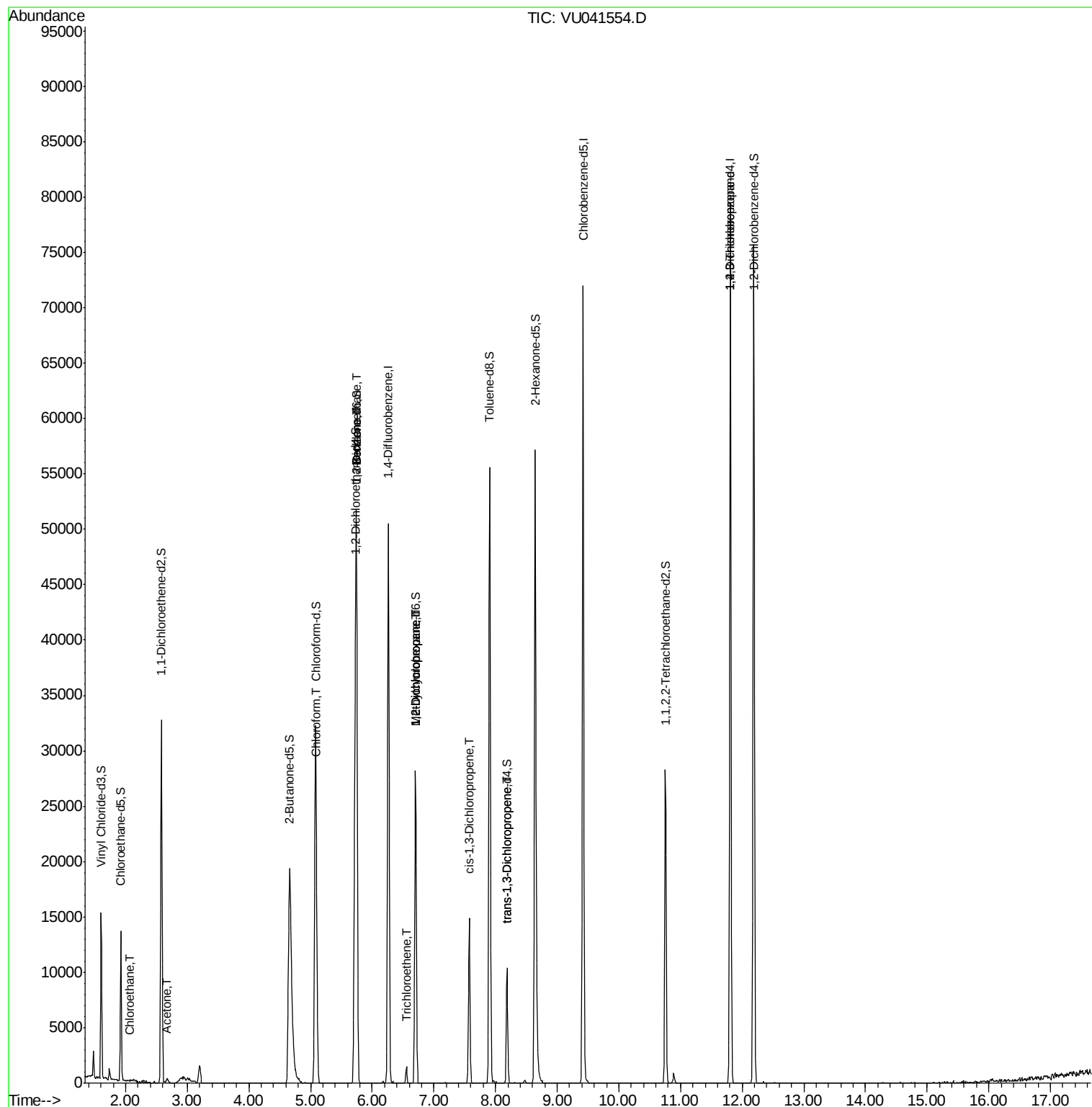
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	2.07	64	76	0.043	ug/L #	45
13) Acetone	2.67	43	931	1.559	ug/L	60
25) Chloroform	5.10	83	1574	0.284	ug/L	81
27) 1,2-Dichloroethane	5.75	62	396	0.091	ug/L #	79
33) Benzene	5.74	78	303	0.033	ug/L	100
34) Trichloroethene	6.55	95	522	0.189	ug/L	85
35) Methylcyclohexane	6.71	83	3114	0.828	ug/L #	17
37) 1,2-Dichloropropane	6.70	63	1718	0.803	ug/L #	84
39) cis-1,3-Dichloropropene	7.57	75	494	0.128	ug/L	94
44) trans-1,3-Dichloropropene	8.19	75	205	0.053	ug/L #	60
59) 1,2,3-Trichloropropane	11.81	75	1988	0.958	ug/L #	81

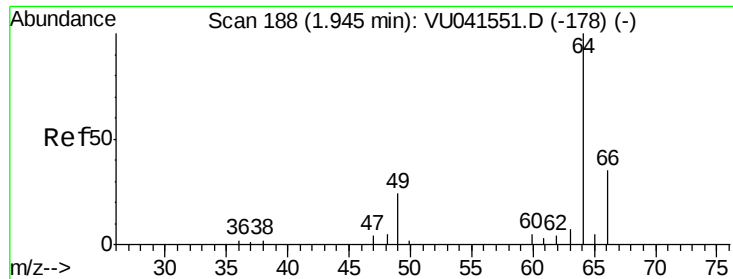
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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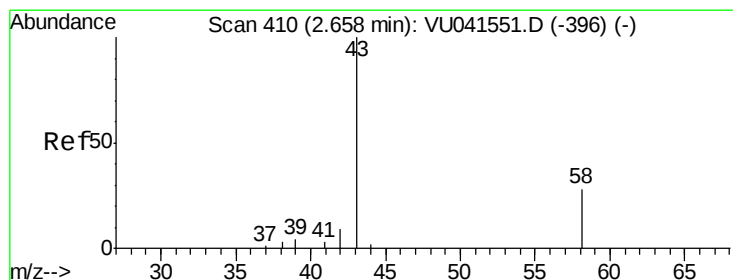
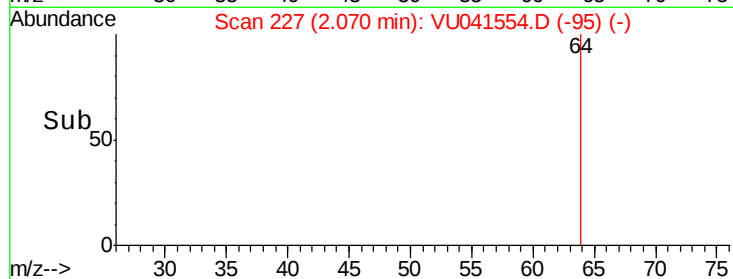
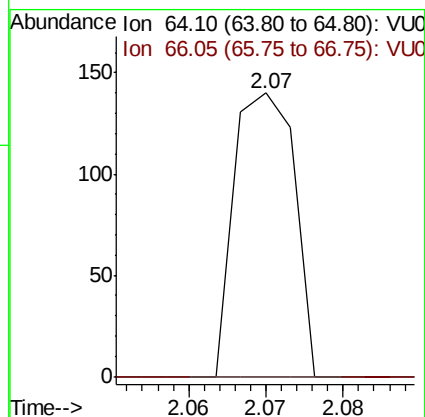
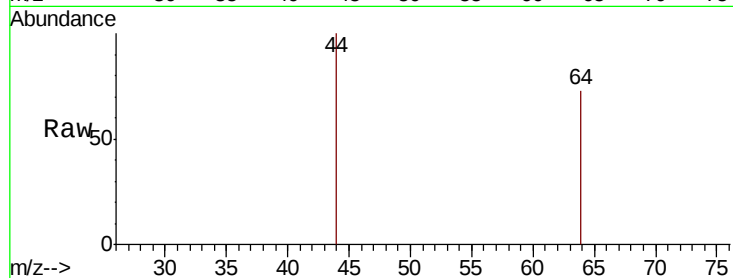




#8
Chloroethane
Concen: 0.043 ug/L
RT: 2.07 min Scan# 227
Delta R.T. 0.13 min
Lab File: VU041554.D
Acq: 10 Dec 2020 23:10

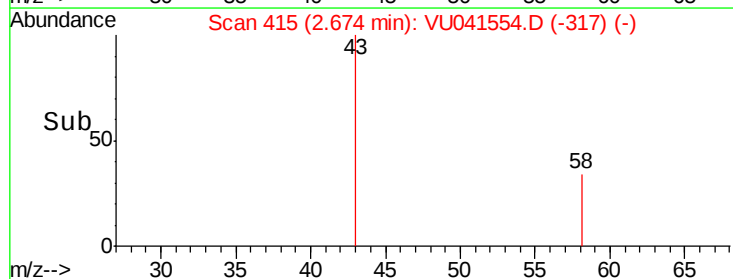
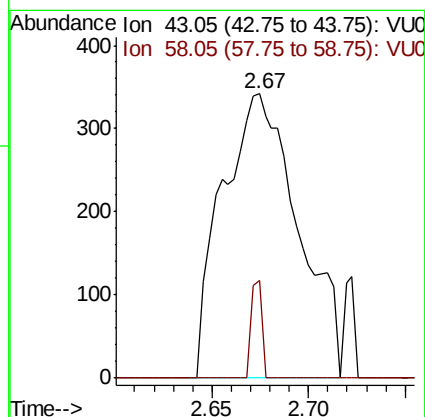
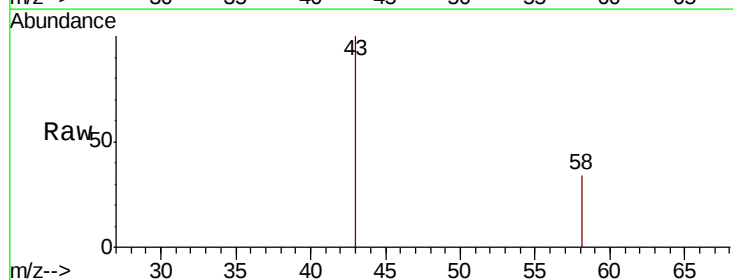
Instrument :
MSVOA_U
ClientSampled :
C0AY4

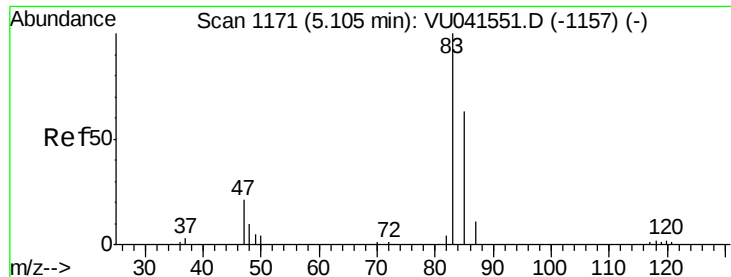
Tot Ion: 64 Resp: 76
Ion Ratio Lower Upper
64 100
66 0.0 20.9 38.9#



#13
Acetone
Concen: 1.559 ug/L
RT: 2.67 min Scan# 415
Delta R.T. 0.02 min
Lab File: VU041554.D
Acq: 10 Dec 2020 23:10

Tgt Ion: 43 Resp: 931
Ion Ratio Lower Upper
43 100
58 4.7 0.0 50.0





#25

Chloroform

Concen: 0.284 ug/L

RT: 5.10 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VU041554.D

Acq: 10 Dec 2020 23:10

Instrument :

MSVOA_U

ClientSampleId :

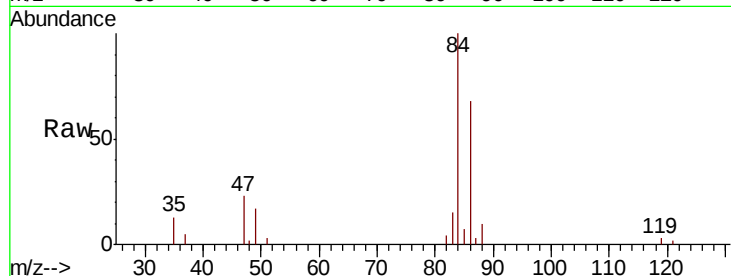
C0AY4

Tot Ion: 83 Resp: 1574

Ion Ratio Lower Upper

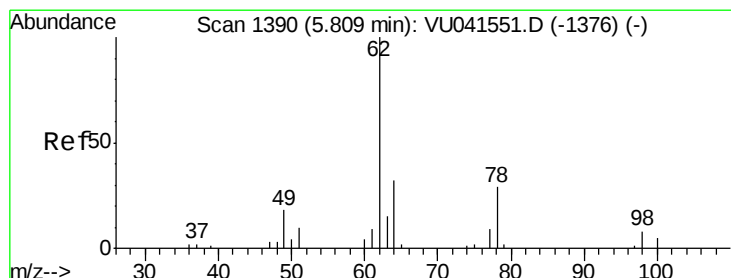
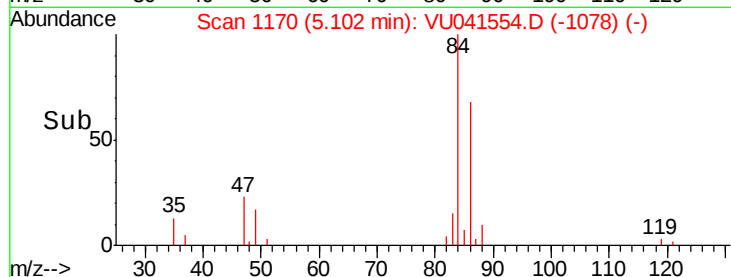
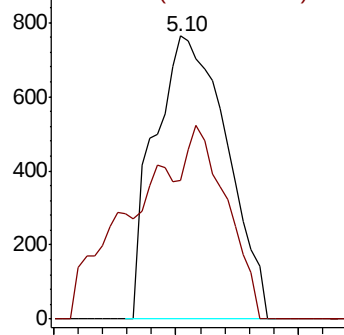
83 100

85 49.1 44.7 82.9



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 0.091 ug/L

RT: 5.75 min Scan# 1373

Delta R.T. -0.05 min

Lab File: VU041554.D

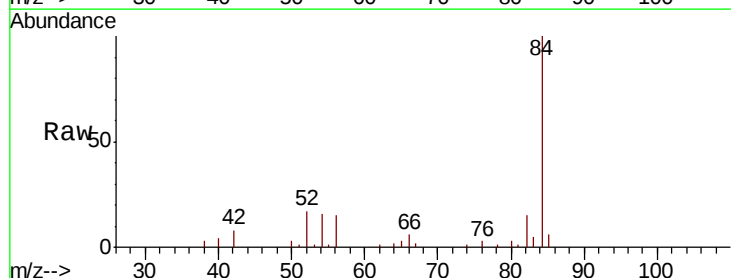
Acq: 10 Dec 2020 23:10

Tgt Ion: 62 Resp: 396

Ion Ratio Lower Upper

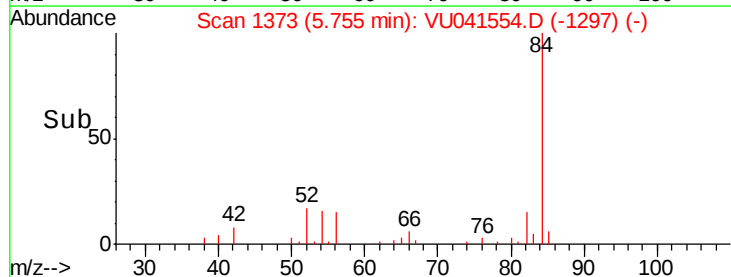
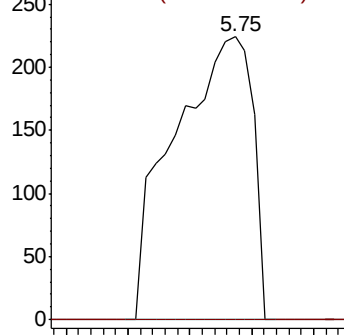
62 100

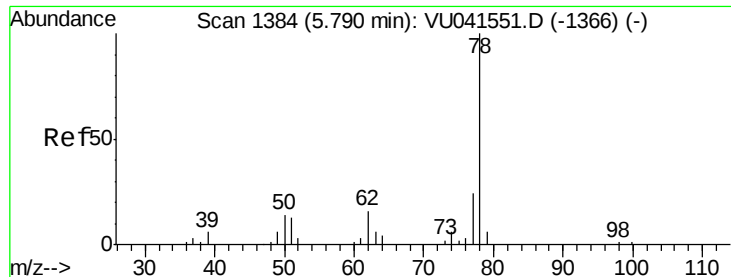
98 0.0 5.7 8.5#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0





#33

Benzene

Concen: 0.033 ug/L

RT: 5.74 min Scan# 1369

Delta R.T. -0.05 min

Lab File: VU041554.D

Acq: 10 Dec 2020 23:10

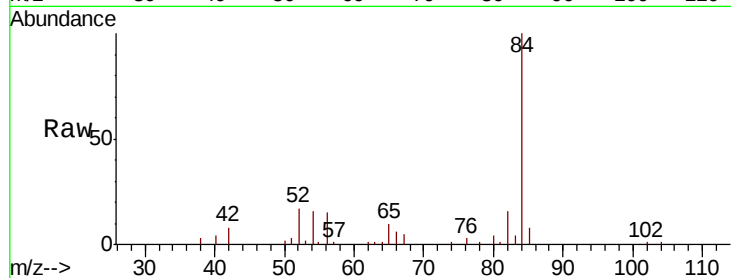
Instrument :

MSVOA_U

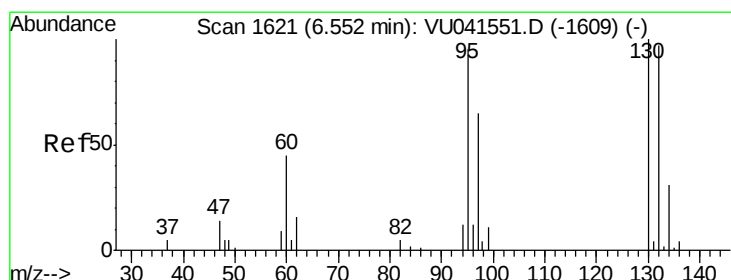
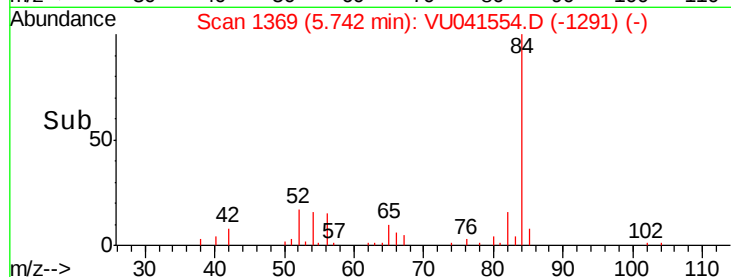
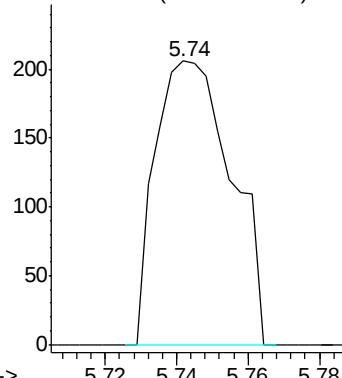
ClientSampleId :

C0AY4

Tgt Ion: 78 Resp: 303



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.189 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041554.D

Acq: 10 Dec 2020 23:10

Tgt Ion: 95 Resp: 522

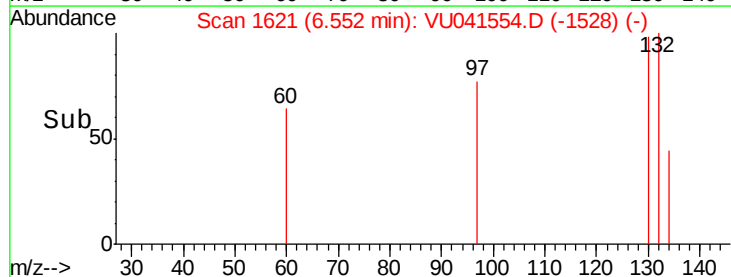
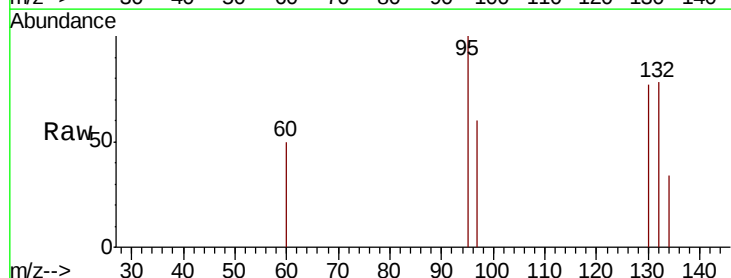
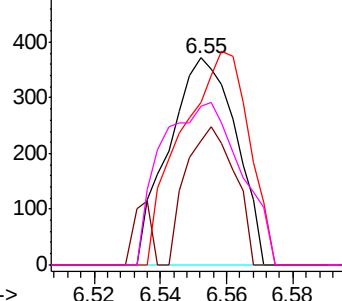
Ion	Ratio	Lower	Upper
95	100		
97	59.9	44.7	83.1
132	78.2	65.7	121.9
130	76.9	68.8	127.8

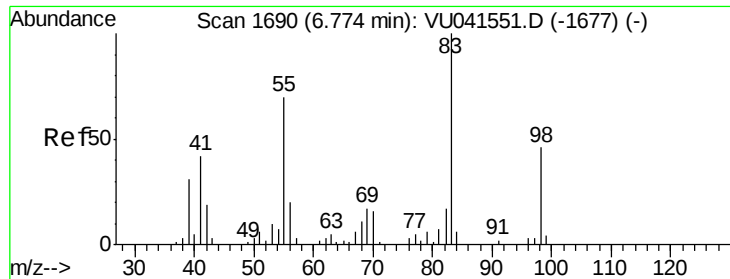
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

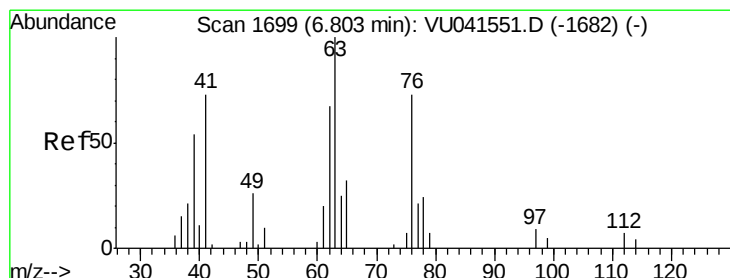
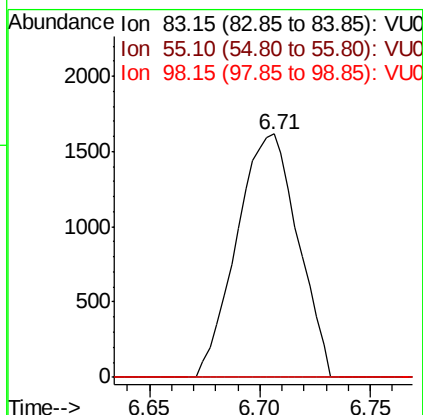
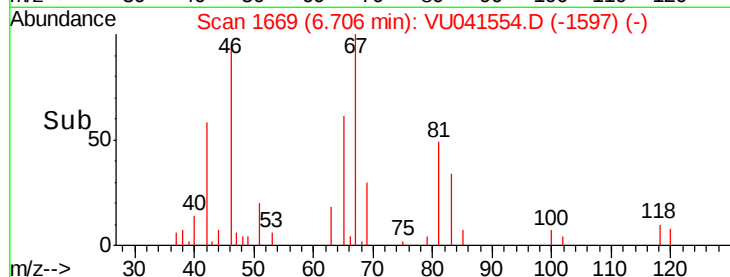
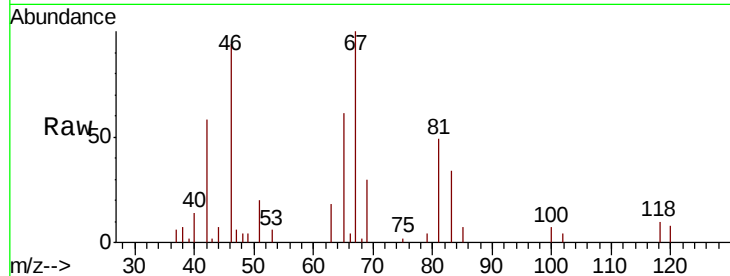




#35
Methvlcvclohexane
Concen: 0.828 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU041554.D
Acq: 10 Dec 2020 23:10

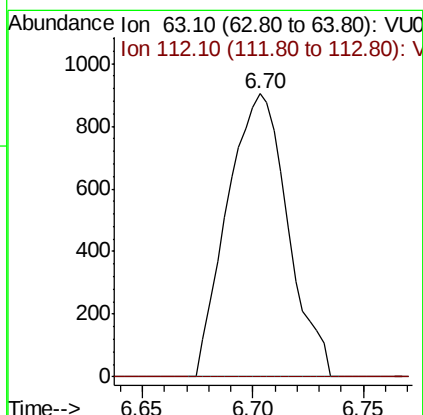
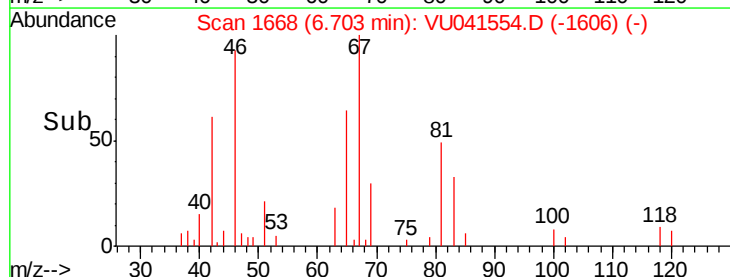
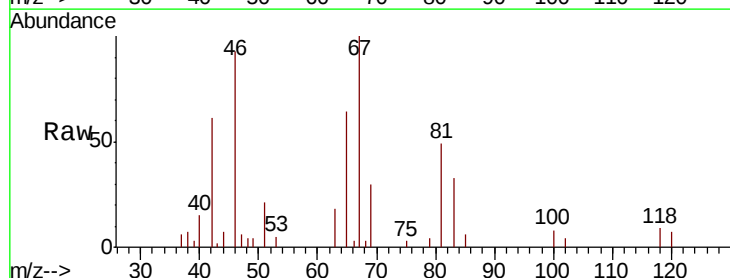
Instrument :
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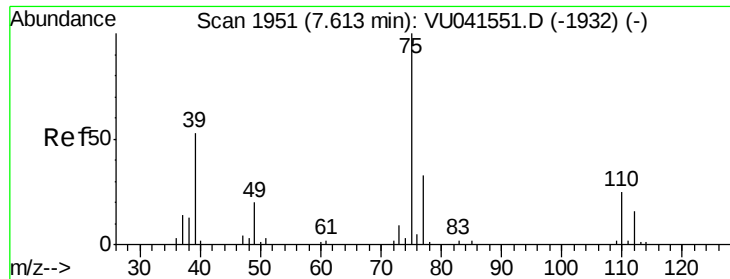
Tot Ion: 83 Resp: 3114
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 0.0 38.7 58.1#



#37
1,2-Dichloropropane
Concen: 0.803 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041554.D
Acq: 10 Dec 2020 23:10

Tgt Ion: 63 Resp: 1718
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.2#

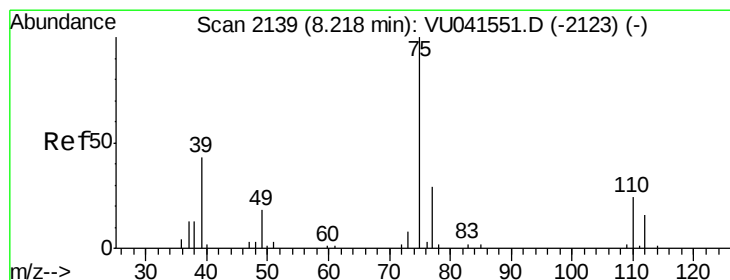
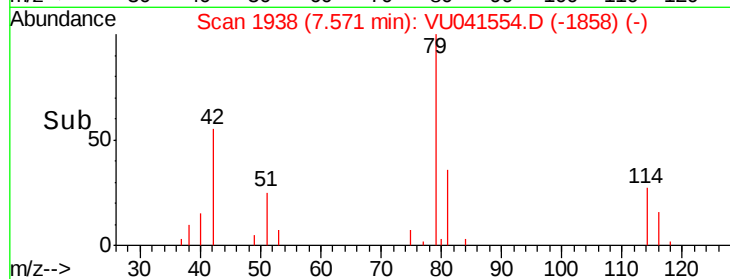
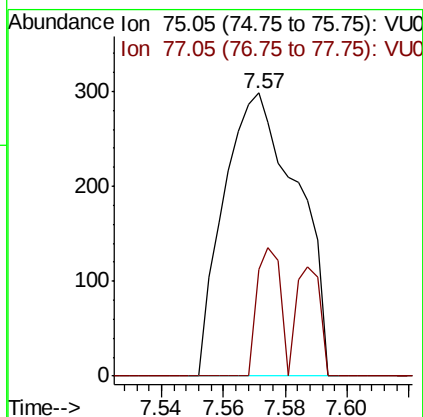
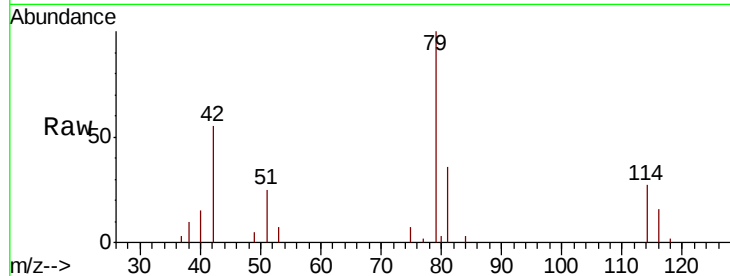




#39
 cis-1,3-Dichloropropene
 Concen: 0.128 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041554.D
 Acq: 10 Dec 2020 23:10

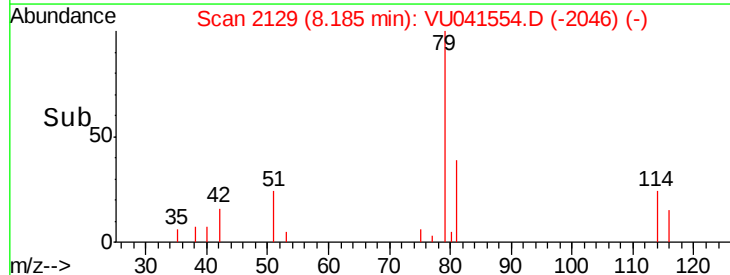
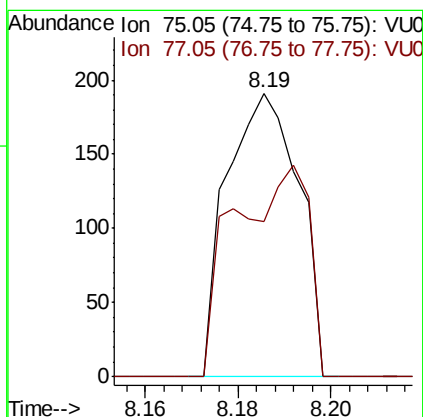
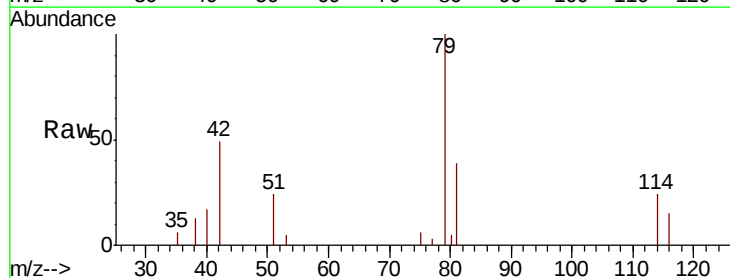
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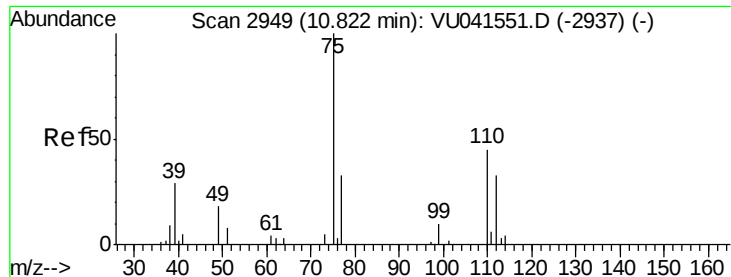
Tot Ion: 75 Resp: 494
 Ion Ratio Lower Upper
 75 100
 77 37.6 24.0 44.6



#44
 trans-1,3-Dichloropropene
 Concen: 0.053 ug/L
 RT: 8.19 min Scan# 2129
 Delta R.T. -0.03 min
 Lab File: VU041554.D
 Acq: 10 Dec 2020 23:10

Tgt Ion: 75 Resp: 205
 Ion Ratio Lower Upper
 75 100
 77 55.0 22.7 42.3#





#59

1,2,3-Trichloropropane

Concen: 0.958 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041554.D

Acq: 10 Dec 2020 23:10

Instrument :

MSVOA_U

ClientSampleId :

C0AY4

Tot Ion: 75 Resp: 1988

Ion Ratio Lower Upper

75 100

77 43.6 26.3 39.5#

