

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041952.D
 Acq On : 12 Jan 2021 04:11
 Operator : SY/MD
 Sample : M1027-15
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXK9

Quant Time: Jan 12 06:40:45 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 05:50:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	97340	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	103161	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	40071	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	49776	6.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	121.20%
7) Chloroethane-d5	1.92	69	47679	6.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	125.40%
11) 1,1-Dichloroethene-d2	2.58	63	71591	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.00%
20) 2-Butanone-d5	4.65	46	183559	80.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	161.02%#
24) Chloroform-d	5.08	84	92649	6.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	124.00%
26) 1,2-Dichloroethane-d4	5.72	65	51984	6.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	131.80%#
32) Benzene-d6	5.74	84	163096	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.00%
36) 1,2-Dichloropropane-d6	6.70	67	56028	5.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	117.00%
41) Toluene-d8	7.91	98	136228	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
43) trans-1,3-Dichloropropene-	8.19	79	21463	5.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.40%
46) 2-Hexanone-d5	8.64	63	134854	66.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	133.38%#
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48700	5.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	47011	6.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	124.00%#

Target Compounds

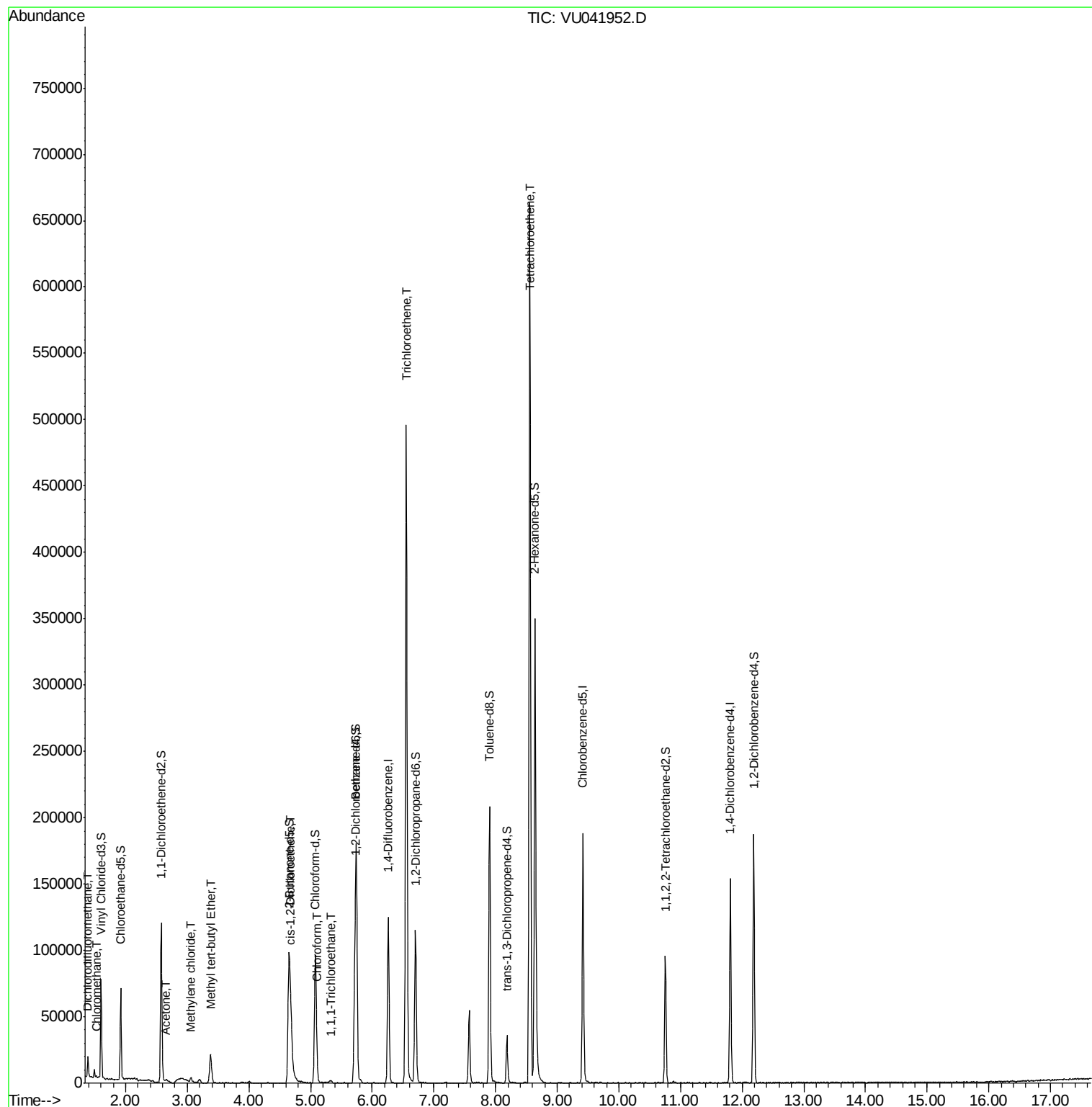
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	6457	0.686	ug/L	96
3) Chloromethane	1.52	50	822	0.080	ug/L	87
13) Acetone	2.66	43	4446	3.003	ug/L #	55
16) Methylene chloride	3.06	84	1447	0.151	ug/L	97
17) Methyl tert-butyl Ether	3.38	73	23723	1.302	ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	8826	1.120	ug/L	96
25) Chloroform	5.11	83	3104	0.215	ug/L	89
29) 1,1,1-Trichloroethane	5.33	97	1550	0.115	ug/L	98
34) Trichloroethene	6.55	95	177985	20.394	ug/L	94
47) Tetrachloroethene	8.56	164	140388	23.117	ug/L	97

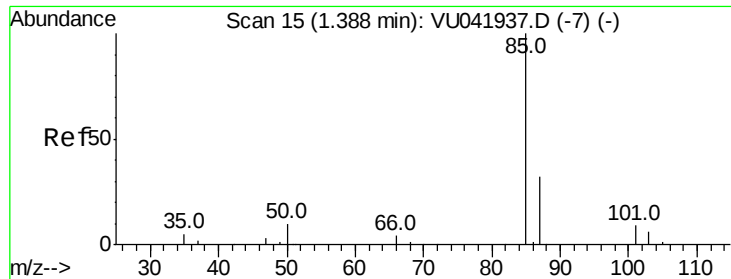
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jan 12 05:50:11 2021
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.686 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041952.D

Acq: 12 Jan 2021 04:11

Instrument :

MSVOA_U

ClientSampleId :

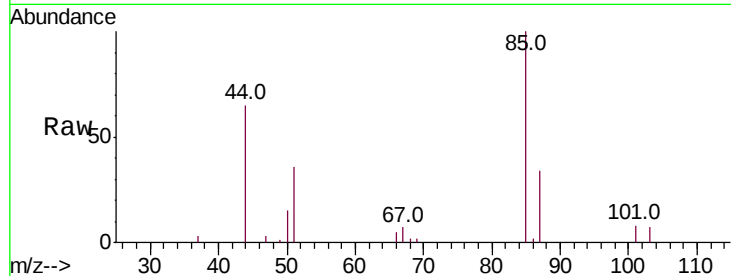
BFXK9

Tot Ion: 85 Resp: 6457

Ion Ratio Lower Upper

85 100

87 35.1 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU041937.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU041937.D (-7) (-)

1.39

8000

6000

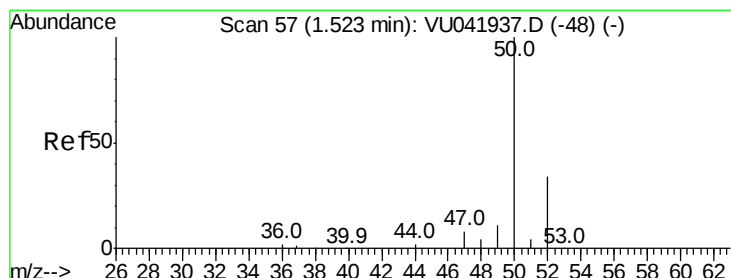
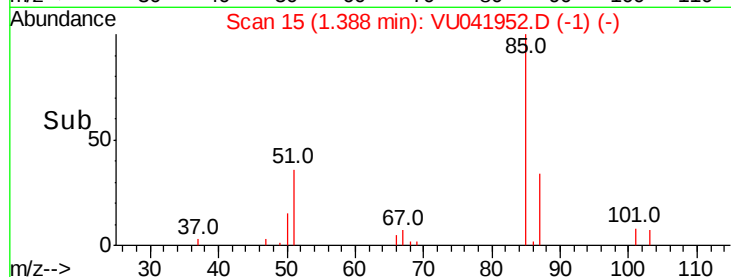
4000

2000

0

Time-->

1.36 1.38 1.40 1.42



#3

Chloromethane

Concen: 0.080 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041952.D

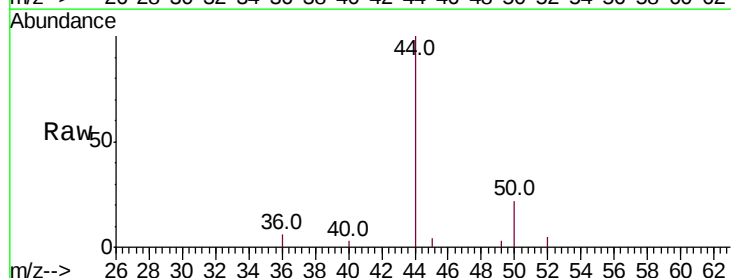
Acq: 12 Jan 2021 04:11

Tgt Ion: 50 Resp: 822

Ion Ratio Lower Upper

50 100

52 23.5 21.4 39.8



Abundance Ion 50.05 (49.75 to 50.75): VU041937.D (-48) (-)

Ion 52.05 (51.75 to 52.75): VU041937.D (-48) (-)

1.52

800

600

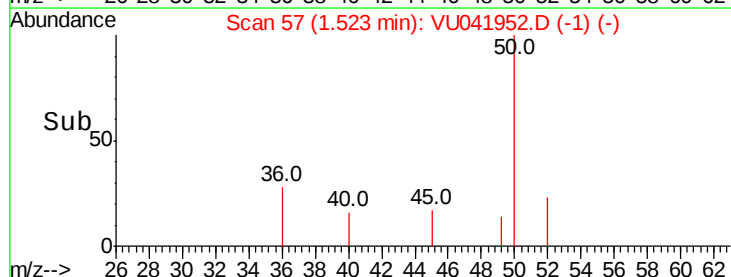
400

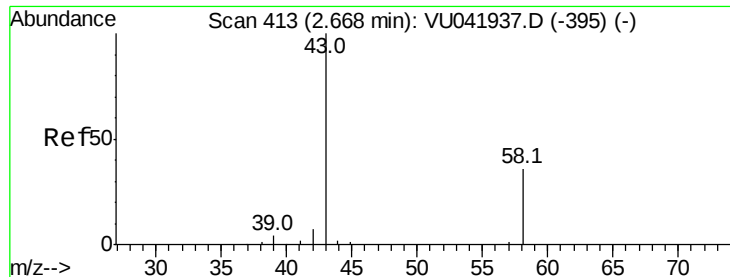
200

0

Time-->

1.48 1.50 1.52 1.54

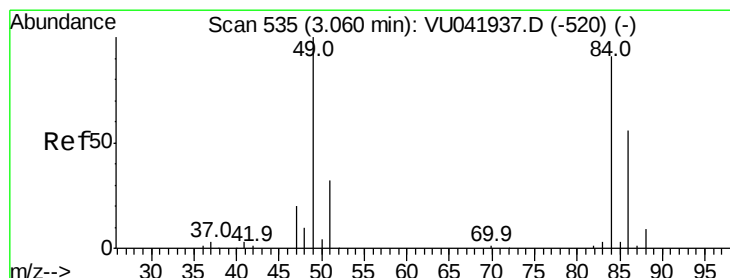
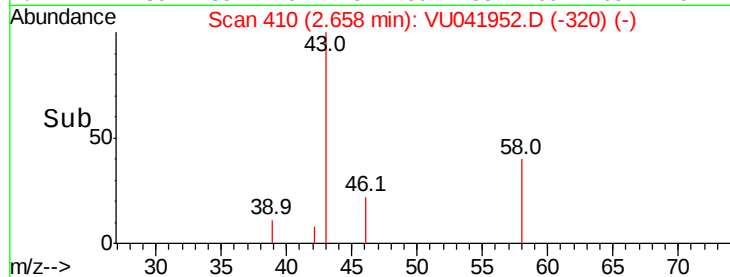
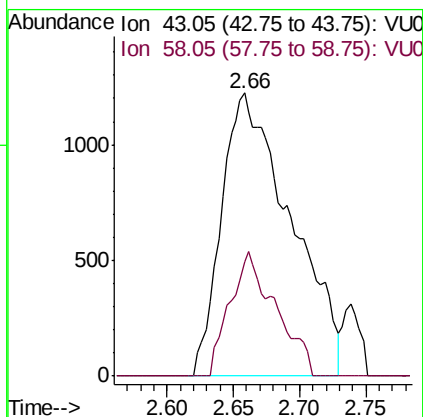
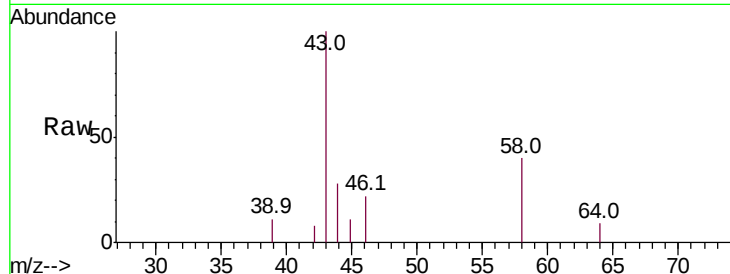




#13
Acetone
Concen: 3.003 ug/L
RT: 2.66 min Scan# 410
Delta R.T. -0.01 min
Lab File: VU041952.D
Acq: 12 Jan 2021 04:11

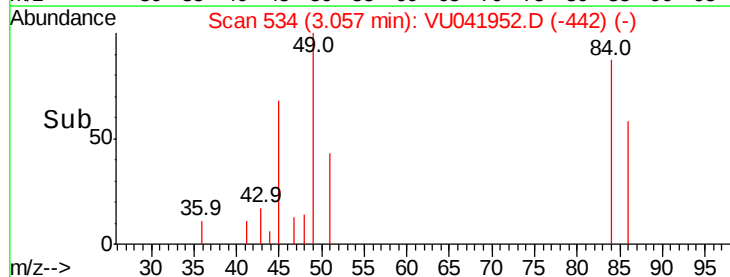
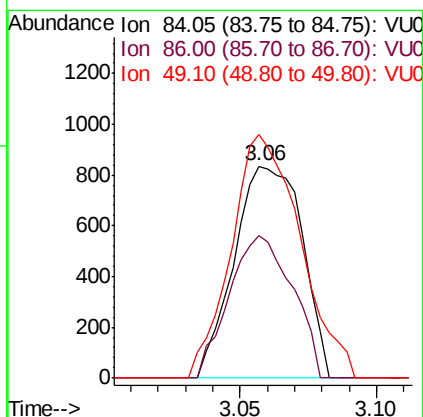
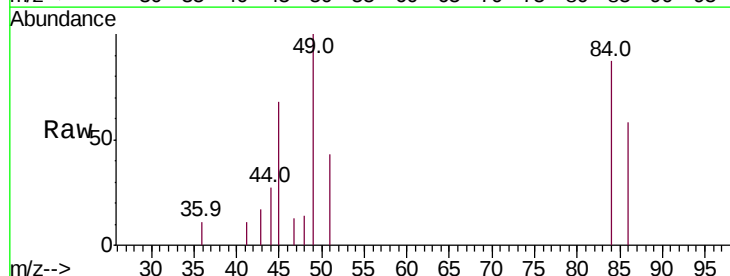
Instrument :
MSVOA_U
ClientSampleId :
BFXK9

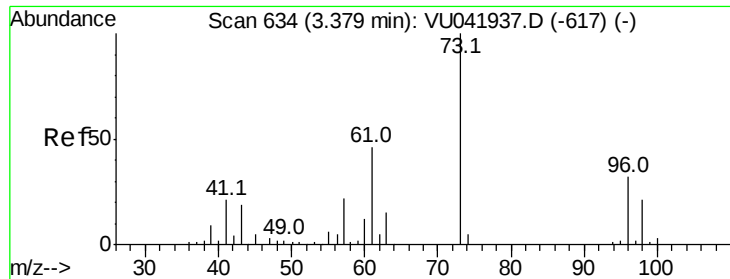
Tot Ion: 43 Resp: 4446
Ion Ratio Lower Upper
43 100
58 29.0 0.0 23.6#



#16
Methylene chloride
Concen: 0.151 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU041952.D
Acq: 12 Jan 2021 04:11

Tgt Ion: 84 Resp: 1447
Ion Ratio Lower Upper
84 100
86 67.0 43.5 80.7
49 115.0 81.8 151.8

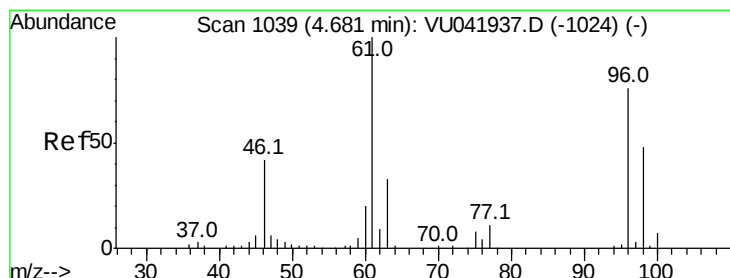
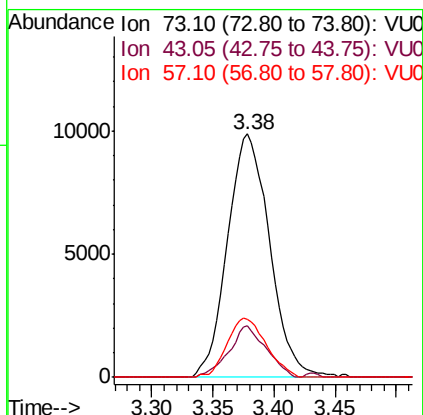
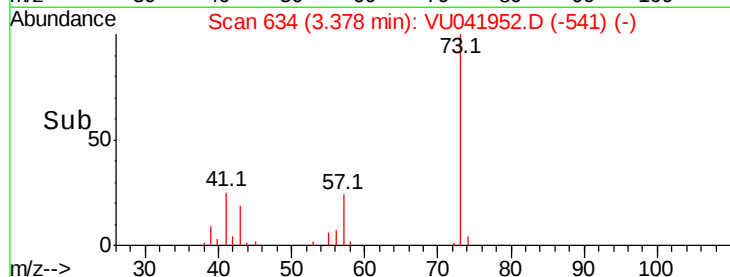
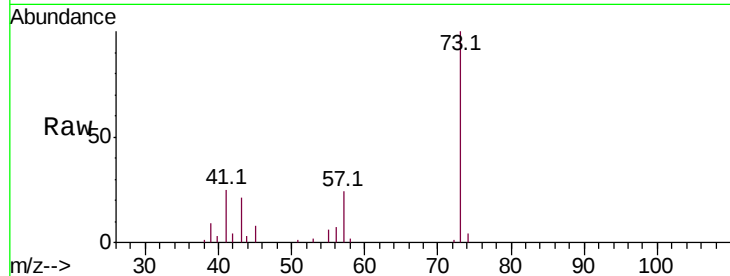




#17
Methvl tert-butvl Ether
Concen: 1.302 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041952.D
Acq: 12 Jan 2021 04:11

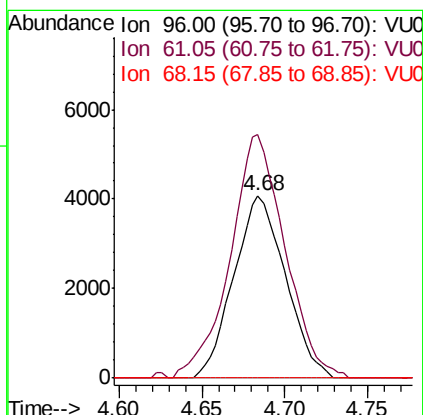
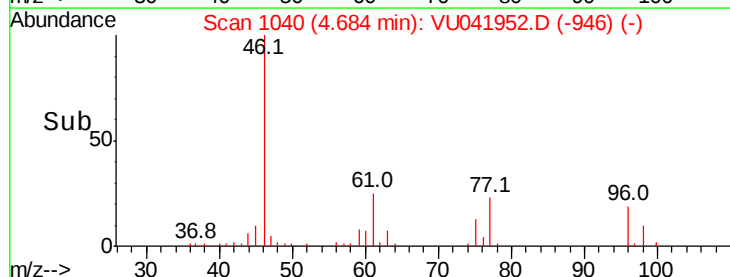
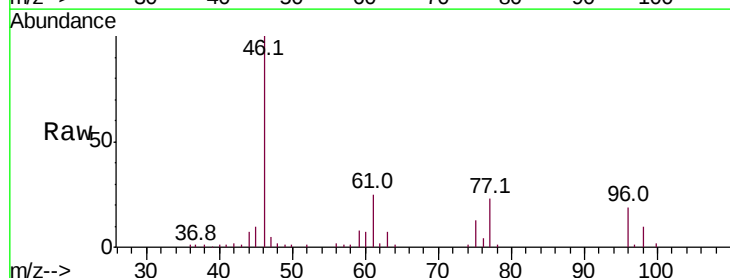
Instrument :
MSVOA_U
ClientSampleId :
BFXK9

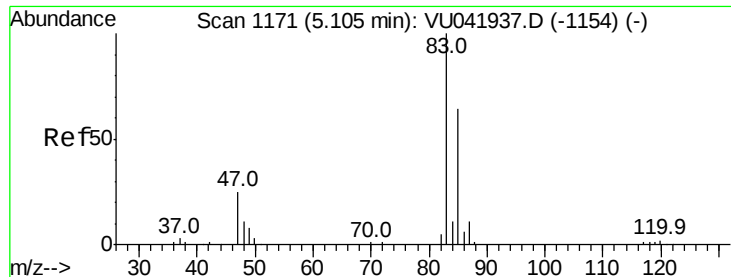
Tot Ion: 73 Resp: 23723
Ion Ratio Lower Upper
73 100
43 18.6 15.8 23.8
57 22.6 18.3 27.5



#22
cis-1,2-Dichloroethene
Concen: 1.120 ug/L
RT: 4.68 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VU041952.D
Acq: 12 Jan 2021 04:11

Tgt Ion: 96 Resp: 8826
Ion Ratio Lower Upper
96 100
61 133.4 90.3 167.7
68 0.0 0.0 0.0

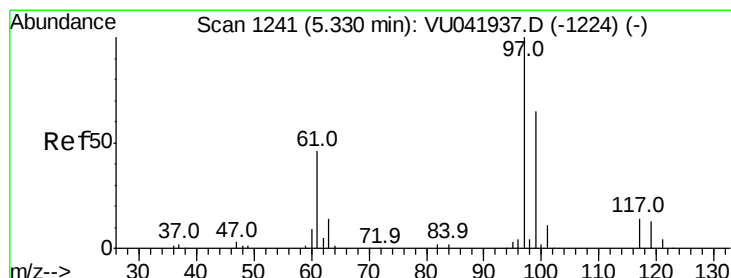
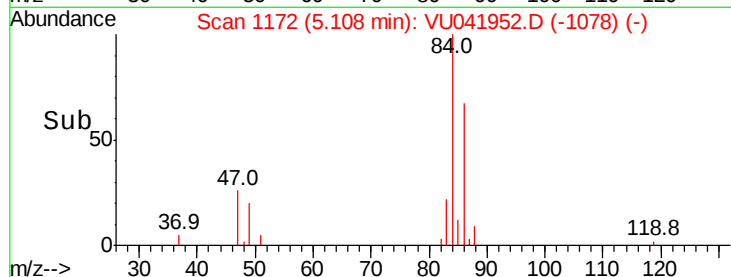
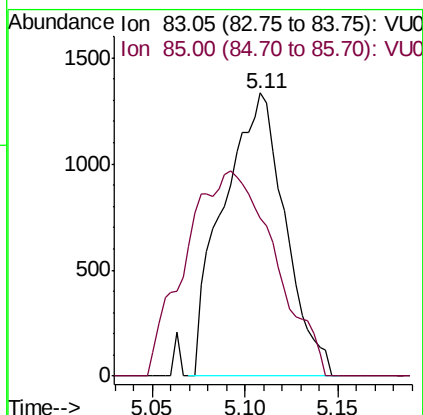
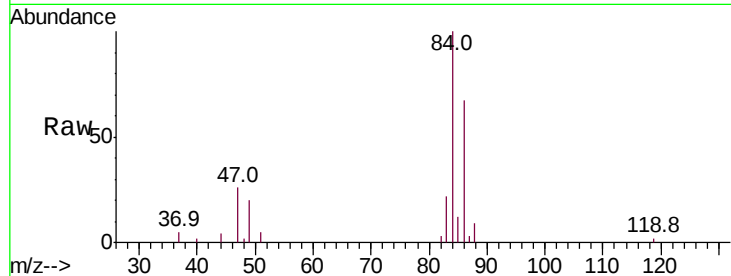




#25
Chloroform
Concen: 0.215 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU041952.D
Acq: 12 Jan 2021 04:11

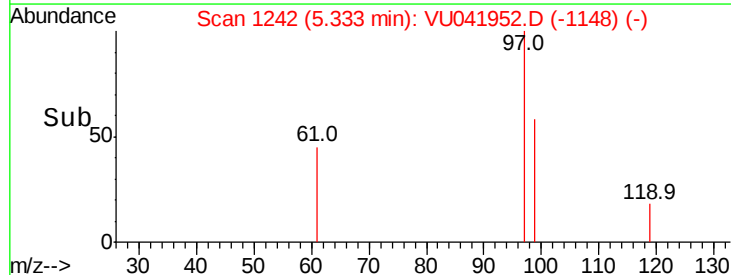
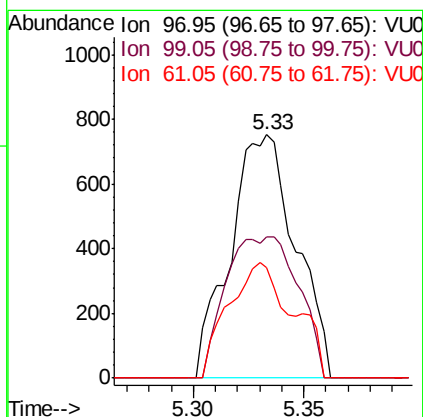
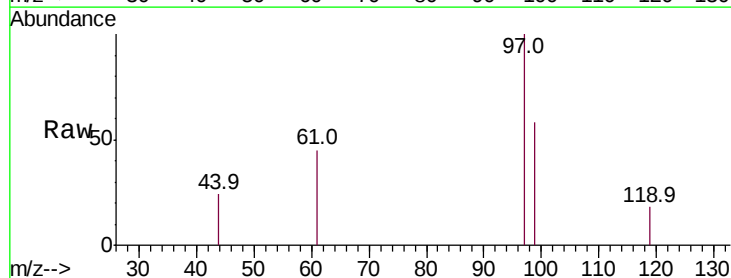
Instrument :
MSVOA_U
ClientSampleId :
BFXK9

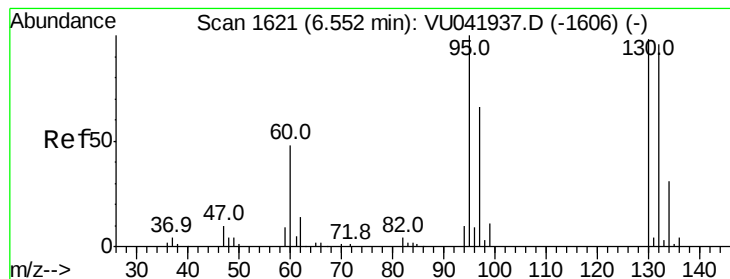
Tot Ion: 83 Resp: 3104
Ion Ratio Lower Upper
83 100
85 56.0 45.1 83.9



#29
1,1,1-Trichloroethane
Concen: 0.115 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU041952.D
Acq: 12 Jan 2021 04:11

Tgt Ion: 97 Resp: 1550
Ion Ratio Lower Upper
97 100
99 64.0 51.4 77.2
61 46.5 35.3 52.9





#34

Trichloroethene

Concen: 20.394 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041952.D

Acq: 12 Jan 2021 04:11

Instrument :

MSVOA_U

ClientSampleId :

BFXK9

Tot Ion: 95 Resp: 177985

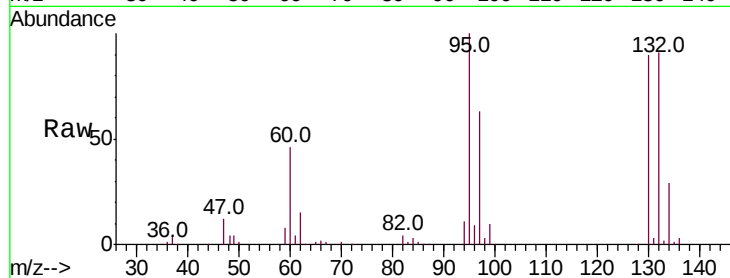
Ion Ratio Lower Upper

95 100

97 63.4 45.2 84.0

132 91.3 68.7 127.5

130 89.8 68.0 126.4

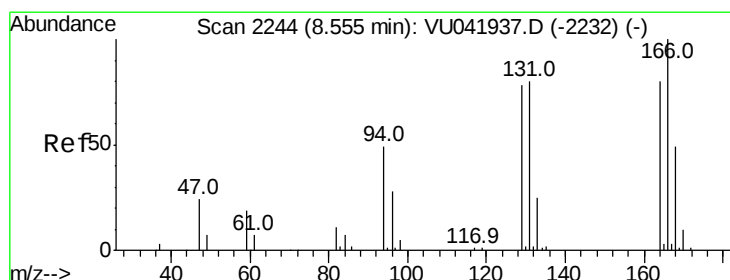
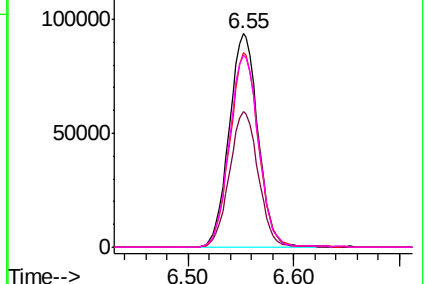
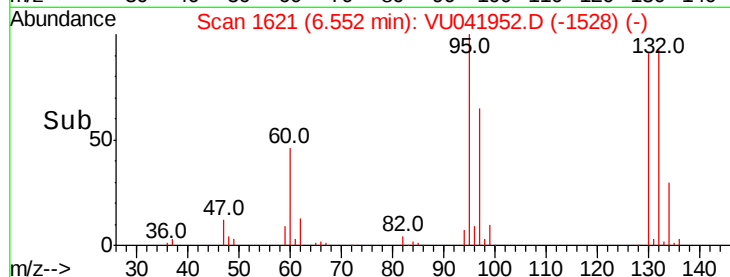


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#47

Tetrachloroethene

Concen: 23.117 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041952.D

Acq: 12 Jan 2021 04:11

Tgt Ion:164 Resp: 140388

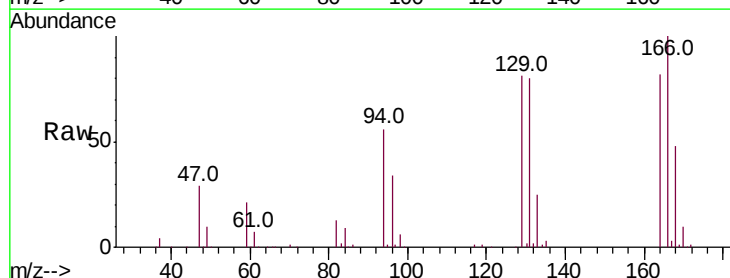
Ion Ratio Lower Upper

164 100

129 99.4 69.2 128.6

131 97.2 69.7 129.5

166 122.1 89.2 165.8



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

