

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110920\
 Data File : VU041150.D
 Acq On : 09 Nov 2020 18:50
 Operator : SY/MD
 Sample : L4646-17
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0W1

Quant Time: Nov 10 03:52:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 10 01:04:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	71330	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	67895	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	32558	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	17822	2.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.40%
7) Chloroethane-d5	1.92	69	17141	3.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.40%
11) 1,1-Dichloroethene-d2	2.58	63	33282	2.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.60%#
20) 2-Butanone-d5	4.67	46	105759	53.59	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.18%
24) Chloroform-d	5.08	84	46704	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
26) 1,2-Dichloroethane-d4	5.72	65	30781	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.74	84	84960	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.71	67	30739	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	7.91	98	72103	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	8.19	79	11402	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.64	63	76406	55.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.76%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26726	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	30169	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

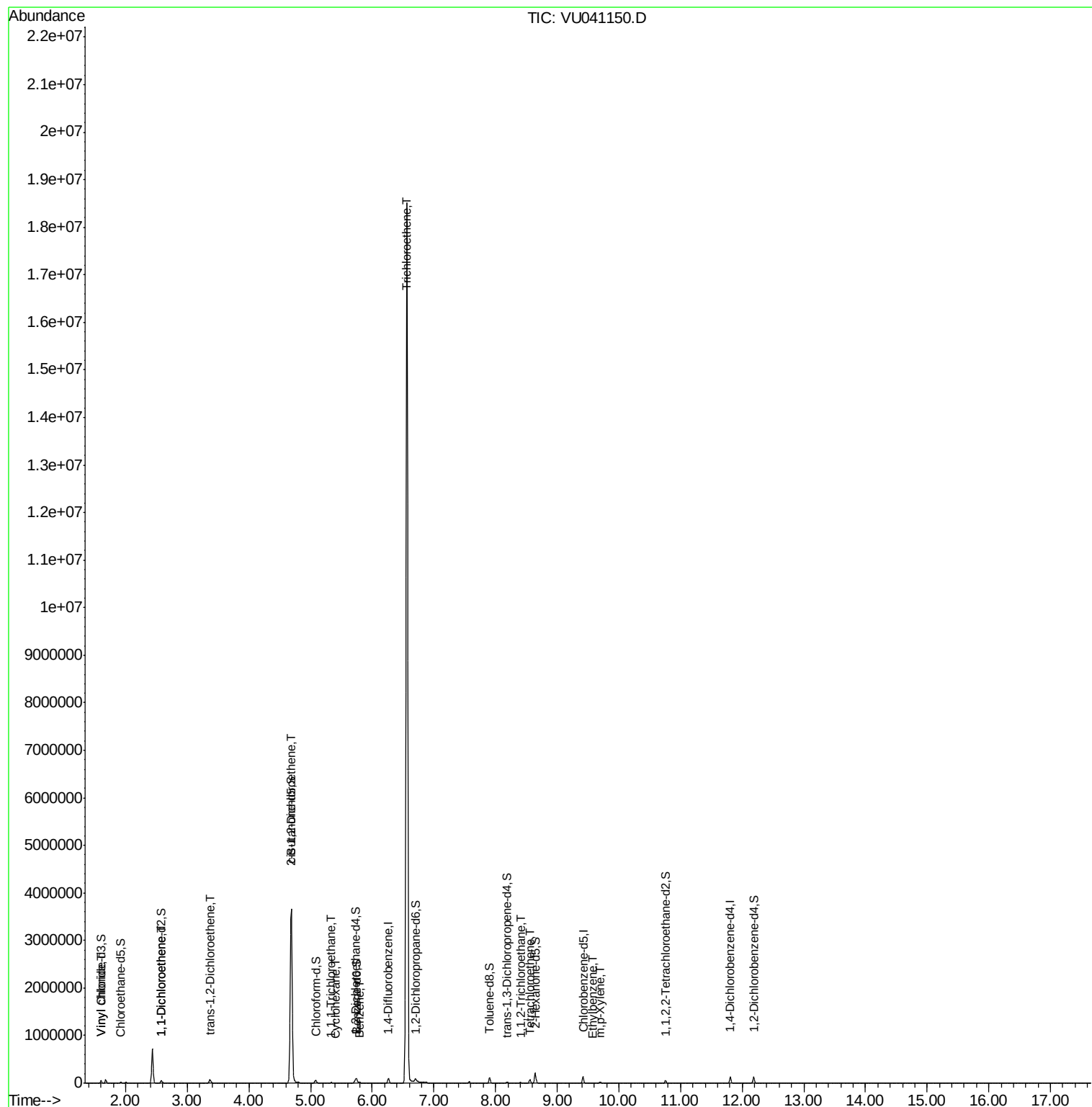
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	3799	0.567	ug/L	92
12) 1,1-Dichloroethene	2.59	96	4009	0.796	ug/L #	1
18) trans-1,2-Dichloroethene	3.37	96	29354	5.733	ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	1780610	337.126	ug/L	94
29) 1,1,1-Trichloroethane	5.33	97	8041	0.968	ug/L #	89
30) Cyclohexane	5.41	56	2174	0.266	ug/L	93
33) Benzene	5.79	78	18566	0.915	ug/L	100
34) Trichloroethene	6.56	95	6533812	1265.543	ug/L	92
45) 1,1,2-Trichloroethane	8.41	97	3783	0.926	ug/L	83
47) Tetrachloroethene	8.56	164	15926	4.195	ug/L	93
52) Ethylbenzene	9.57	91	1474	0.068	ug/L	95
53) m,p-Xylene	9.69	106	4486	0.568	ug/L	100

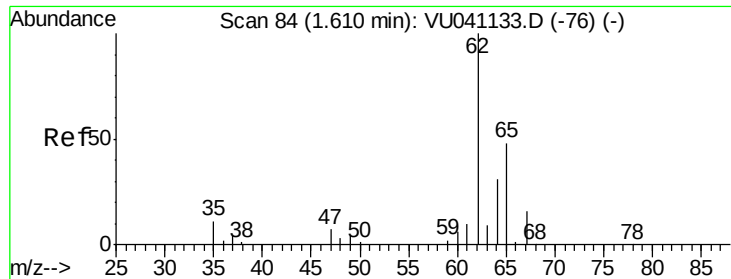
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 10 01:04:12 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.567 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU041150.D

Acq: 09 Nov 2020 18:50

Instrument :

MSVOA_U

ClientSampled :

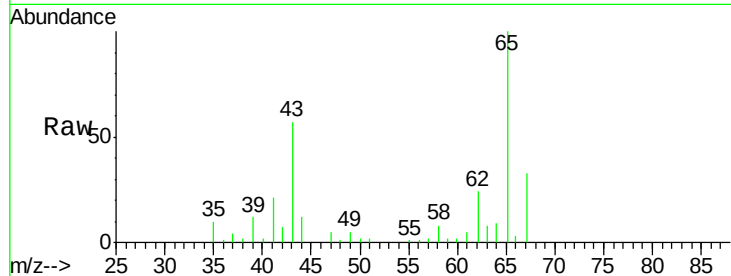
GB0W1

Tot Ion: 62 Resp: 3799

Ion Ratio Lower Upper

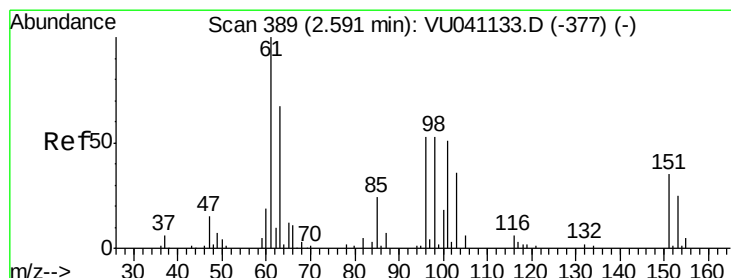
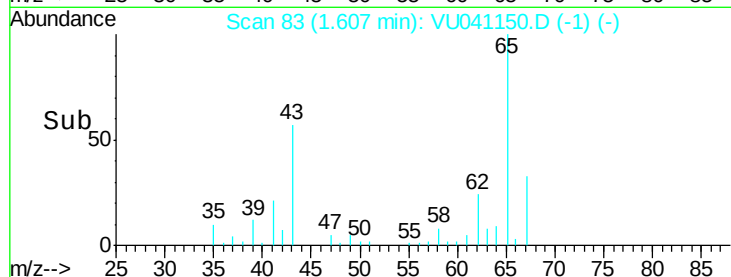
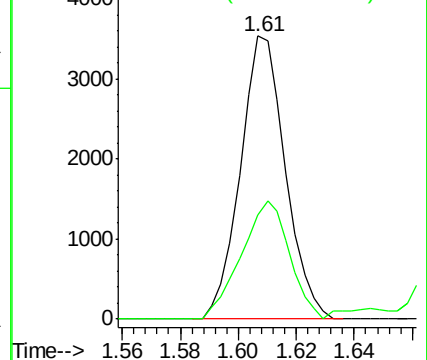
62 100

64 36.8 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#12

1,1-Dichloroethene

Concen: 0.796 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041150.D

Acq: 09 Nov 2020 18:50

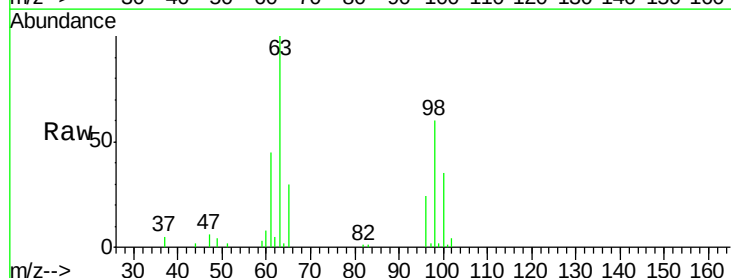
Tgt Ion: 96 Resp: 4009

Ion Ratio Lower Upper

96 100

61 192.4 134.3 249.5

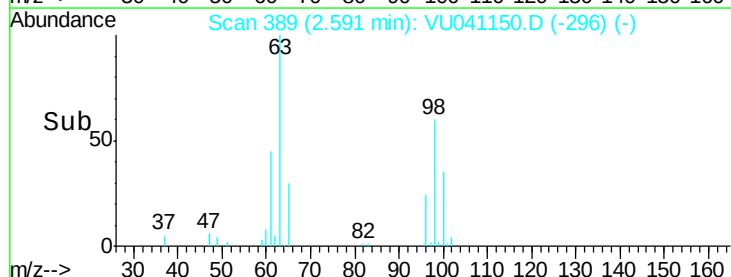
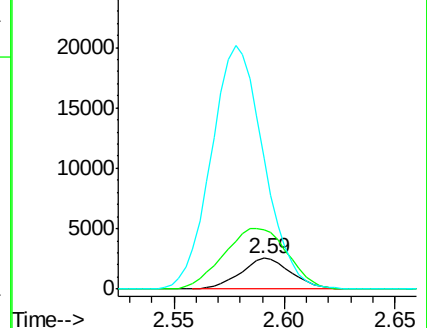
63 422.9 95.0 176.4#

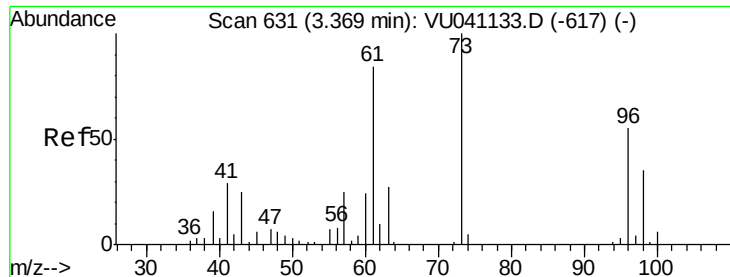


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

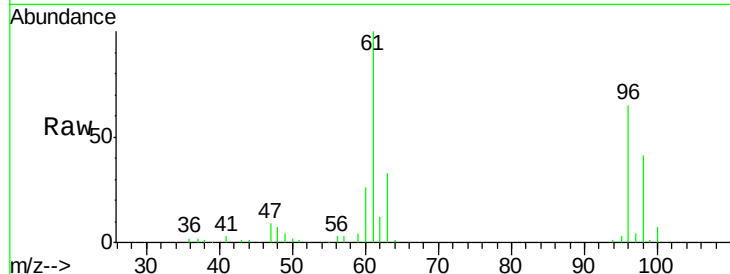




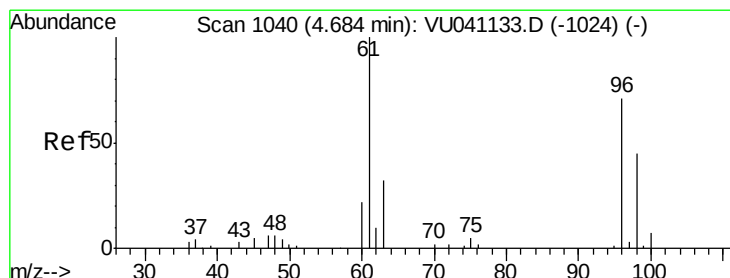
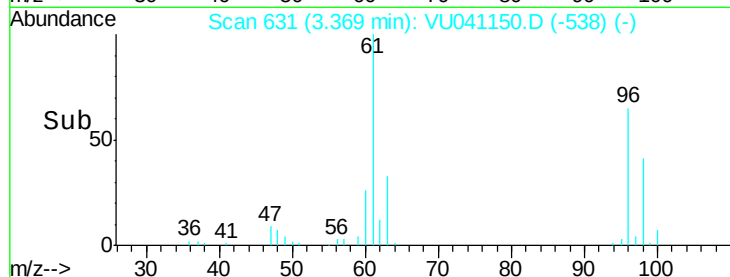
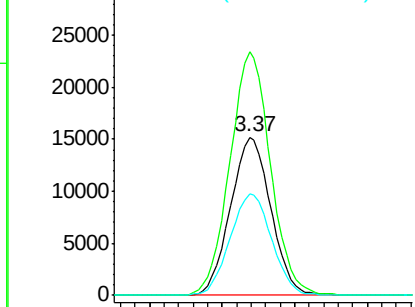
#18
 trans-1,2-Dichloroethene
 Concen: 5.733 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: VU041150.D
 Acq: 09 Nov 2020 18:50

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0W1

Tot Ion: 96 Resp: 29354
 Ion Ratio Lower Upper
 96 100
 61 154.1 110.9 205.9
 98 63.9 45.4 84.2

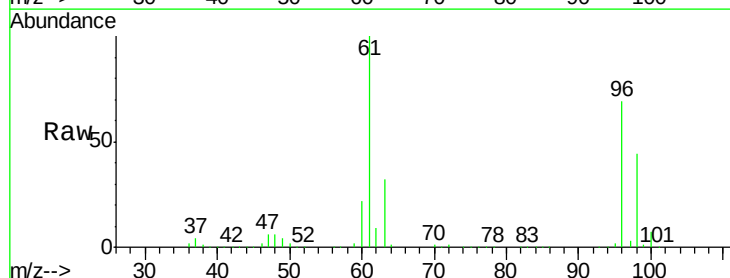


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

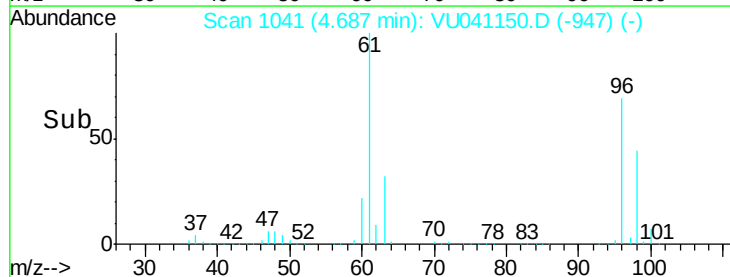
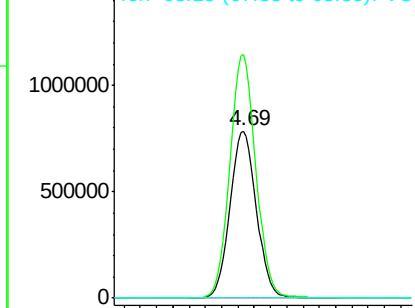


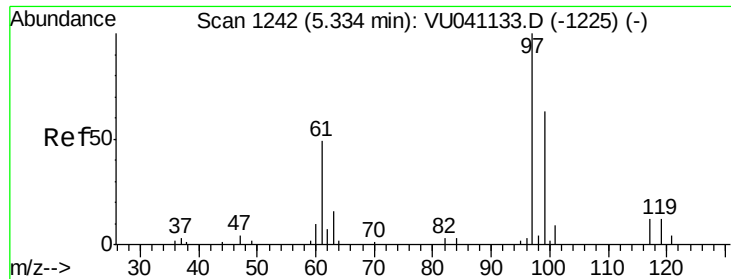
#22
 cis-1,2-Dichloroethene
 Concen: 337.126 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU041150.D
 Acq: 09 Nov 2020 18:50

Tgt Ion: 96 Resp: 1780610
 Ion Ratio Lower Upper
 96 100
 61 145.8 97.2 180.4
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

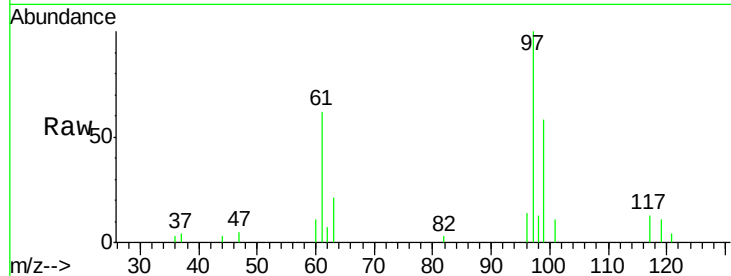




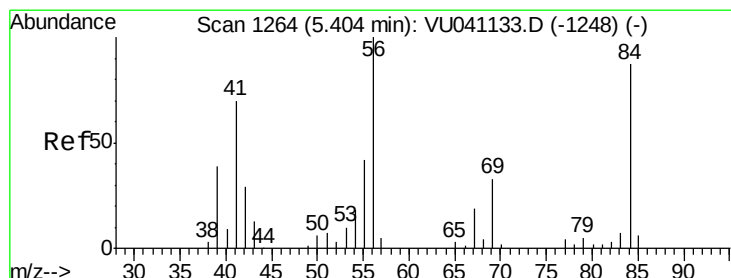
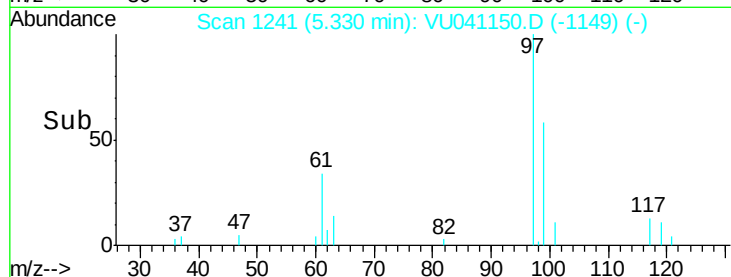
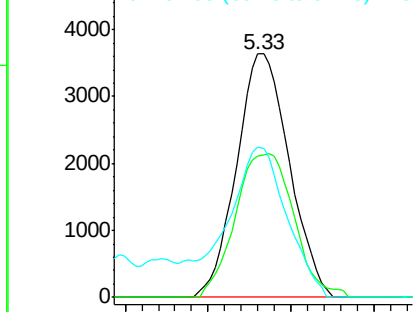
#29
 1,1,1-Trichloroethane
 Concen: 0.968 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU041150.D
 Acq: 09 Nov 2020 18:50

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0W1

Tot Ion: 97 Resp: 8041
 Ion Ratio Lower Upper
 97 100
 99 65.7 53.4 80.0
 61 68.2 41.6 62.4#

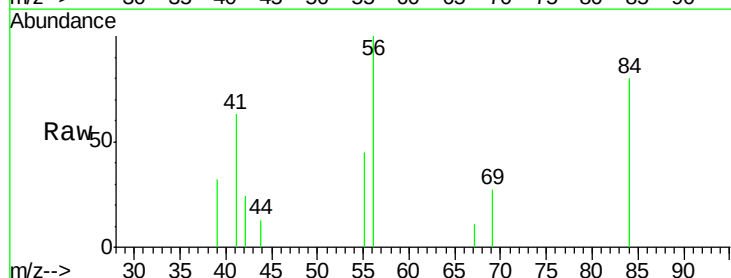


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

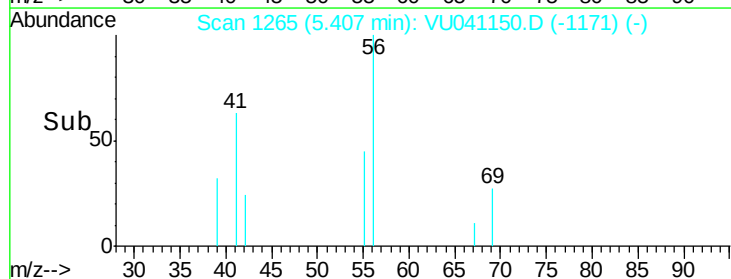
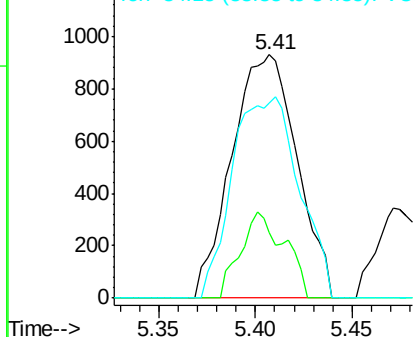


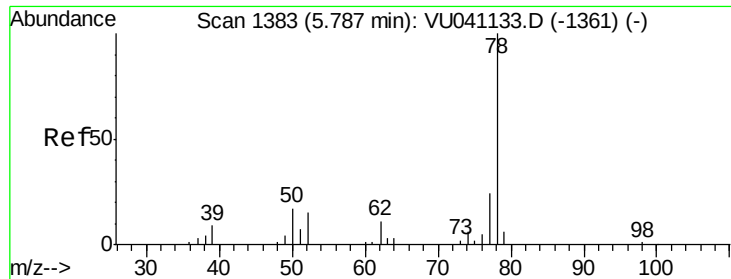
#30
 Cyclohexane
 Concen: 0.266 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU041150.D
 Acq: 09 Nov 2020 18:50

Tgt Ion: 56 Resp: 2174
 Ion Ratio Lower Upper
 56 100
 69 23.7 22.8 34.2
 84 84.5 63.6 95.4



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#33

Benzene

Concen: 0.915 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU041150.D

Acq: 09 Nov 2020 18:50

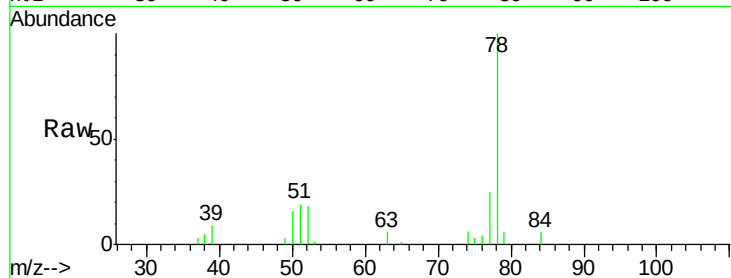
Instrument :

MSVOA_U

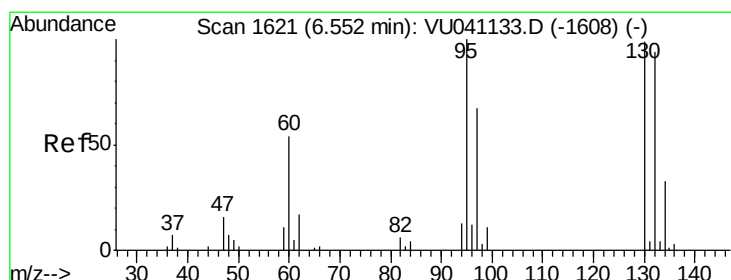
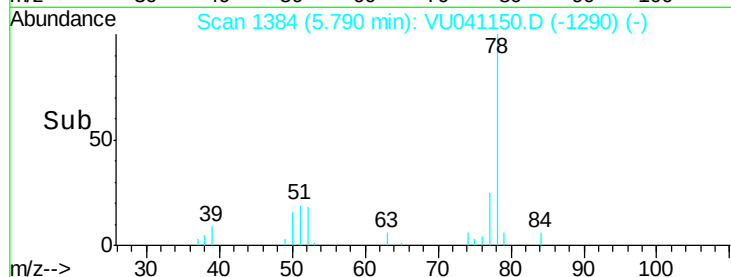
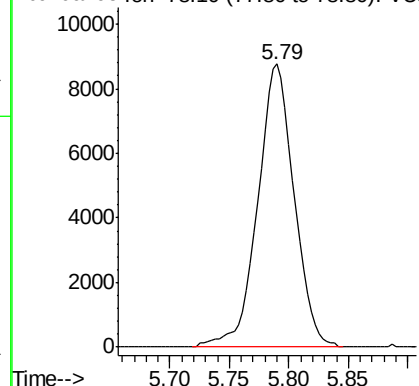
ClientSampleId :

GB0W1

Tgt Ion: 78 Resp: 18566



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 1265.543 ug/L

RT: 6.56 min Scan# 1624

Delta R.T. 0.01 min

Lab File: VU041150.D

Acq: 09 Nov 2020 18:50

Tgt Ion: 95 Resp: 6533812

Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.6	84.6
132	80.9	64.8	120.4
130	84.4	64.8	120.4

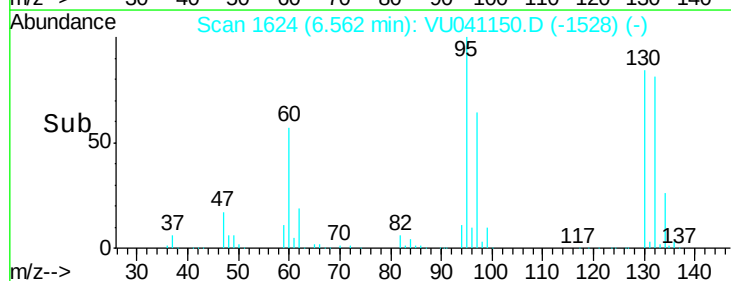
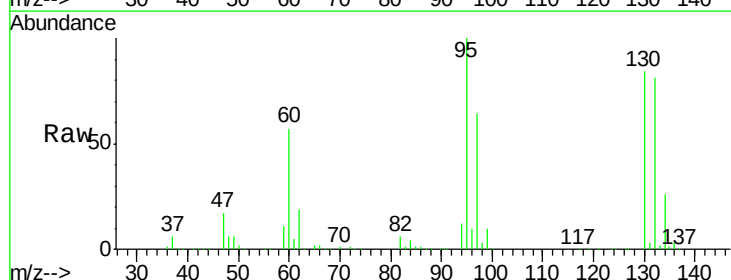
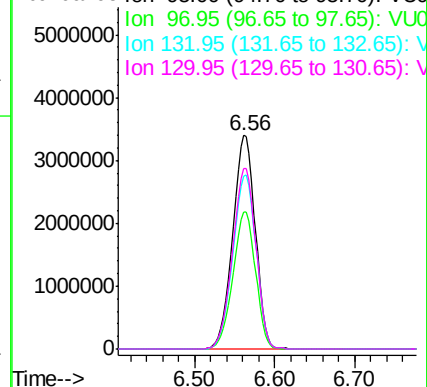
Ion 95.00 (94.70 to 95.70): VU0

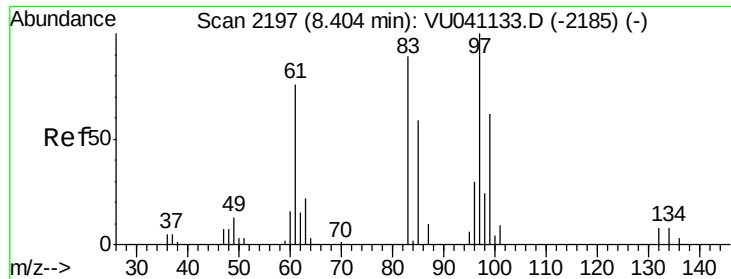
Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

Abundance Ion 95.00 (94.70 to 95.70): VU0

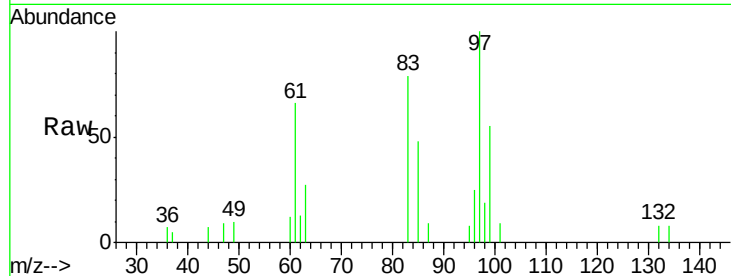




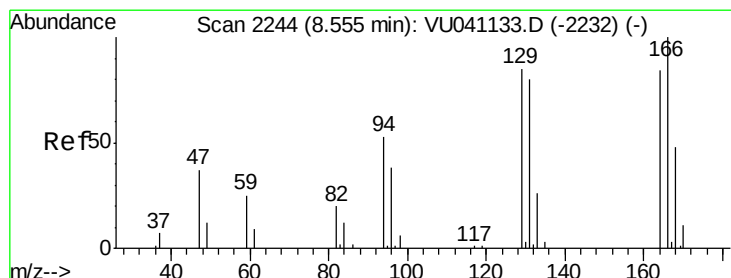
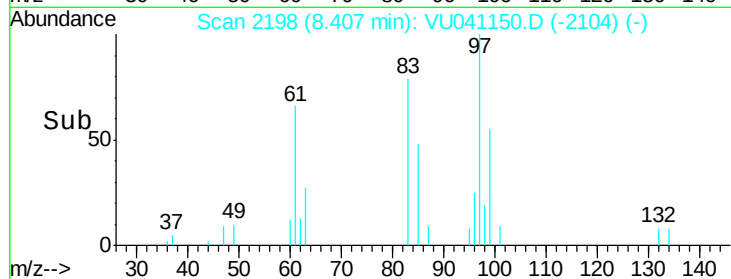
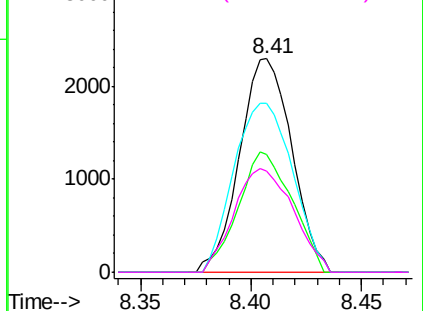
#45
 1,1,2-Trichloroethane
 Concen: 0.926 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU041150.D
 Acq: 09 Nov 2020 18:50

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0W1

Tot Ion:	97	Resp:	3783
Ion	Ratio	Lower	Upper
97	100		
99	55.2	45.8	85.2
83	79.1	67.9	126.1
85	47.5	42.8	79.6

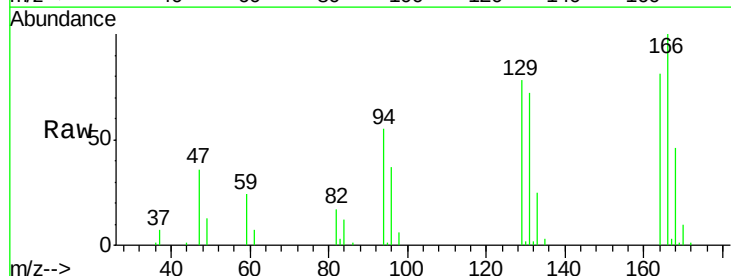


Abundance Ion 96.95 (96.65 to 97.65): VU041150.D (-2197) (-)
 Ion 99.05 (98.75 to 99.75): VU041150.D (-2197) (-)
 Ion 82.95 (82.65 to 83.65): VU041150.D (-2197) (-)
 Ion 85.00 (84.70 to 85.70): VU041150.D (-2197) (-)

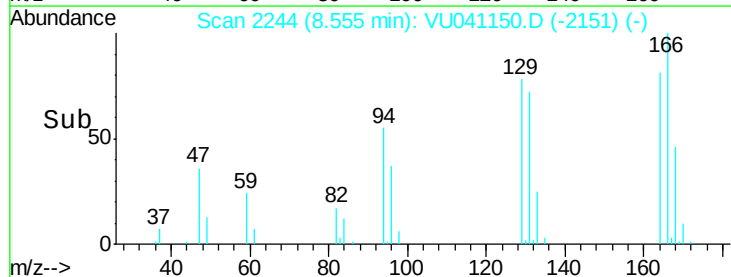
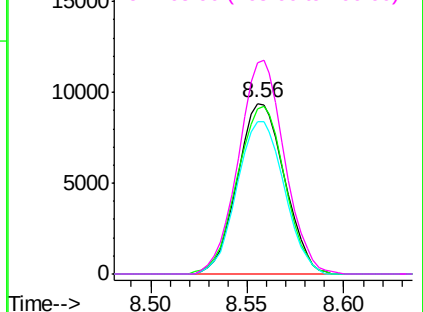


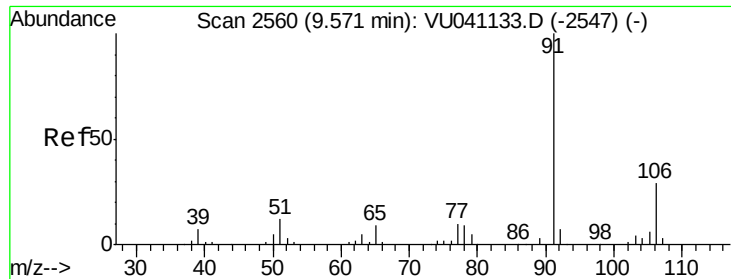
#47
 Tetrachloroethene
 Concen: 4.195 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU041150.D
 Acq: 09 Nov 2020 18:50

Tgt Ion:	164	Resp:	15926
Ion	Ratio	Lower	Upper
164	100		
129	96.4	70.3	130.7
131	88.9	70.8	131.4
166	123.7	92.0	170.8



Abundance Ion 163.90 (163.60 to 164.60): VU041150.D (-2244) (-)
 Ion 128.95 (128.65 to 129.65): VU041150.D (-2244) (-)
 Ion 130.95 (130.65 to 131.65): VU041150.D (-2244) (-)
 Ion 165.90 (165.60 to 166.60): VU041150.D (-2244) (-)





#52

Ethylbenzene

Concen: 0.068 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU041150.D

Acq: 09 Nov 2020 18:50

Instrument :

MSVOA_U

ClientSampleId :

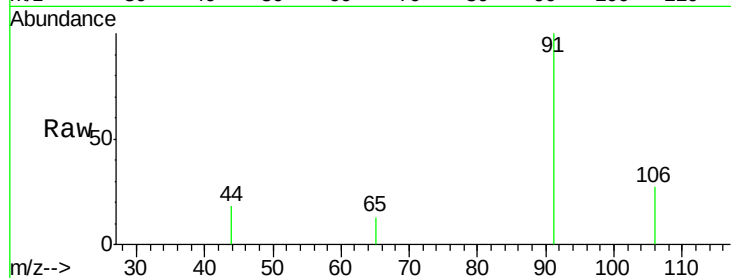
GB0W1

Tot Ion: 91 Resp: 1474

Ion Ratio Lower Upper

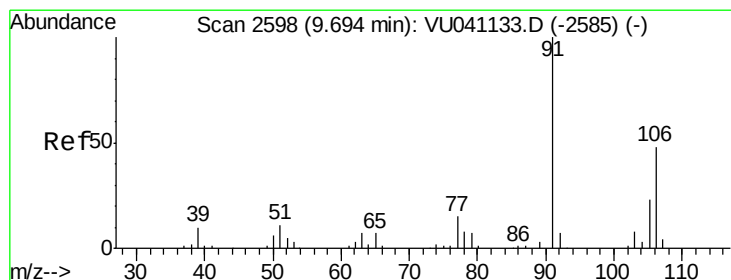
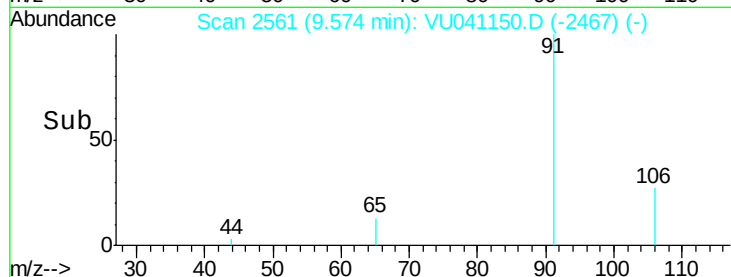
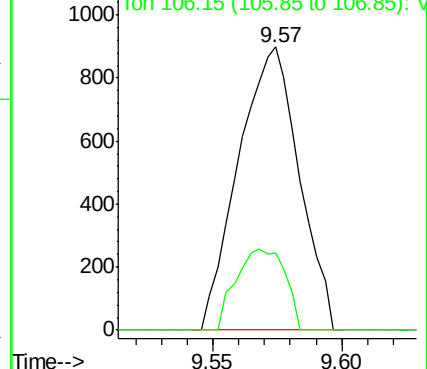
91 100

106 27.2 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041150.D (-2505) (-)

Ion 106.15 (105.85 to 106.85): VU041150.D (-2505) (-)



#53

m,p-Xylene

Concen: 0.568 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041150.D

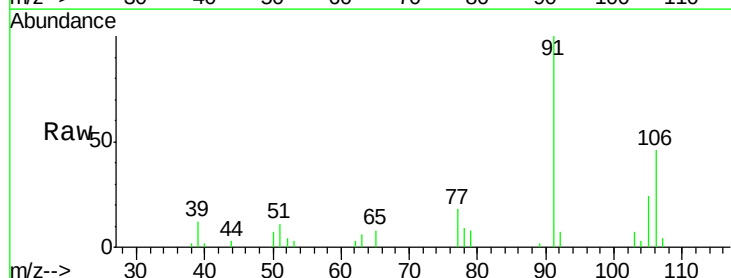
Acq: 09 Nov 2020 18:50

Tgt Ion: 106 Resp: 4486

Ion Ratio Lower Upper

106 100

91 215.3 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041150.D (-2505) (-)

Ion 91.15 (90.85 to 91.85): VU041150.D (-2505) (-)

