

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110220\
 Data File : VU041047.D
 Acq On : 02 Nov 2020 13:51
 Operator : SY/MD
 Sample : L4584-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 03 00:48:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 03 00:40:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	47009	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	49238	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	21354	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	20207	5.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.20%
7) Chloroethane-d5	1.92	69	15410	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	2.58	63	28910	3.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.60%
20) 2-Butanone-d5	4.64	46	77858	59.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.74%
24) Chloroform-d	5.08	84	36484	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
26) 1,2-Dichloroethane-d4	5.72	65	23884	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.40%
32) Benzene-d6	5.74	84	65984	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	6.70	67	22740	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.00%
41) Toluene-d8	7.91	98	55433	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
43) trans-1,3-Dichloropropene-	8.19	79	9704	5.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.40%
46) 2-Hexanone-d5	8.64	63	55066	55.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.06%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	21058	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	21779	5.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.20%

Target Compounds

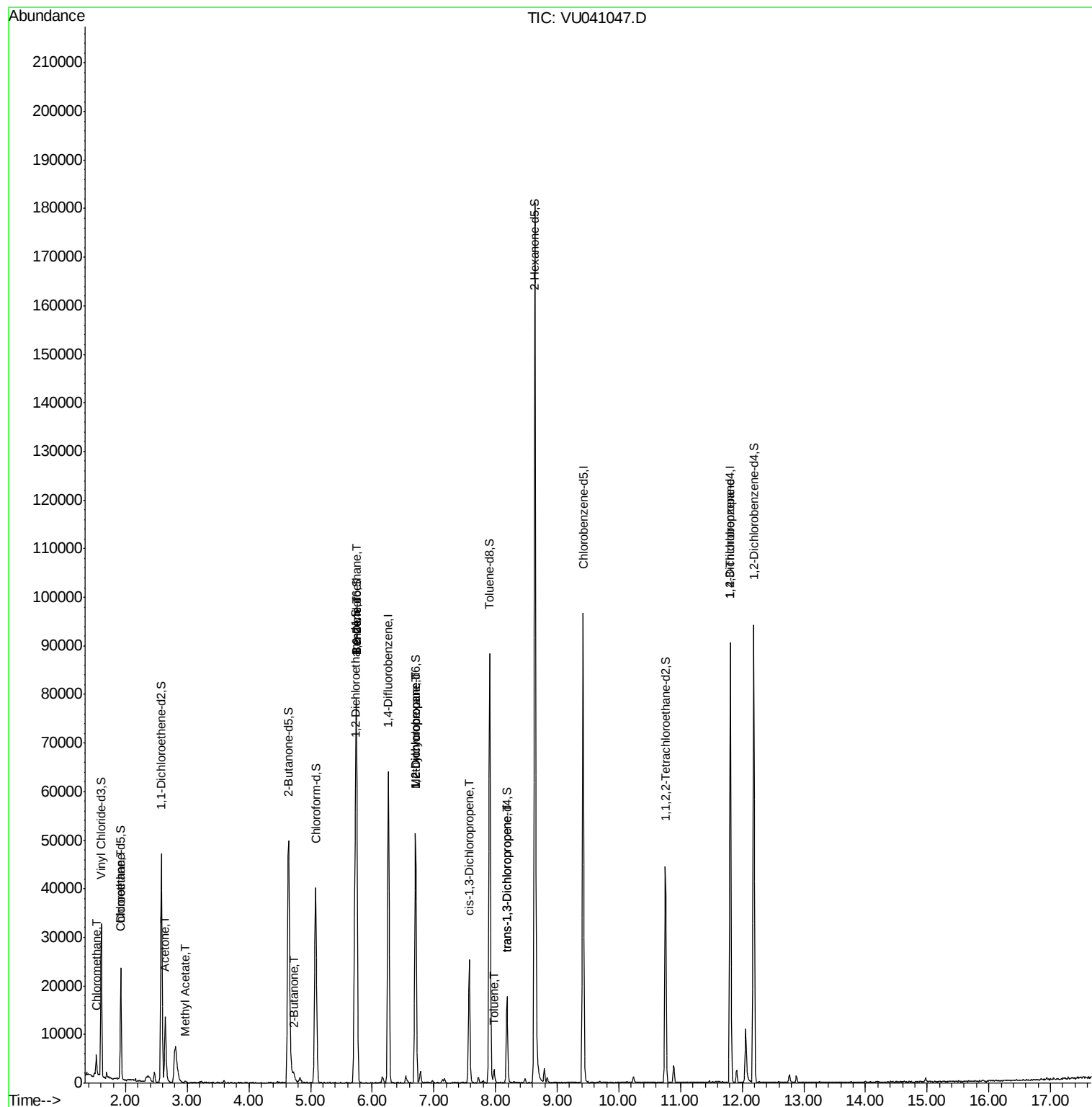
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	2448	0.547	ug/L	96
8) Chloroethane	1.93	64	111	0.040	ug/L #	43
13) Acetone	2.64	43	16629	18.702	ug/L #	58
15) Methyl Acetate	2.97	43	522	0.257	ug/L #	53
21) 2-Butanone	4.73	43	3249	2.338	ug/L	83
27) 1,2-Dichloroethane	5.74	62	455	0.090	ug/L #	74
33) Benzene	5.74	78	562	0.038	ug/L	100
35) Methylcyclohexane	6.70	83	5219	0.934	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	2539	0.638	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	660	0.120	ug/L	96
42) Toluene	7.97	91	2092	0.140	ug/L	96
44) trans-1,3-Dichloropropene	8.19	75	394	0.077	ug/L #	80
59) 1,2,3-Trichloropropane	11.81	75	3021	1.018	ug/L #	85

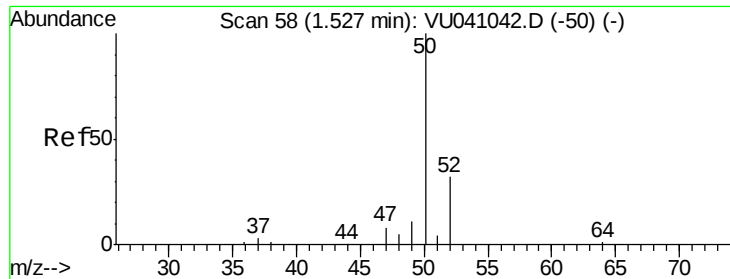
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.547 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041047.D

Acq: 02 Nov 2020 13:51

Instrument :

MSVOA_U

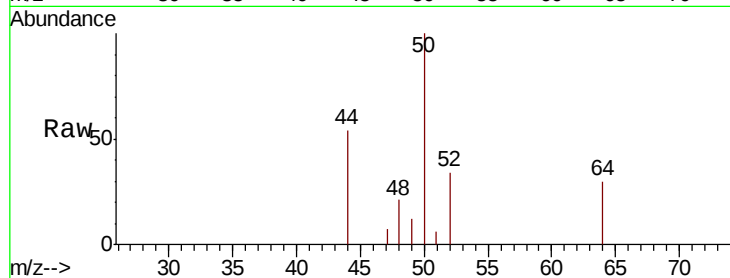
ClientSampleId :

Tot Ion: 50 Resp: 2448

Ion Ratio Lower Upper

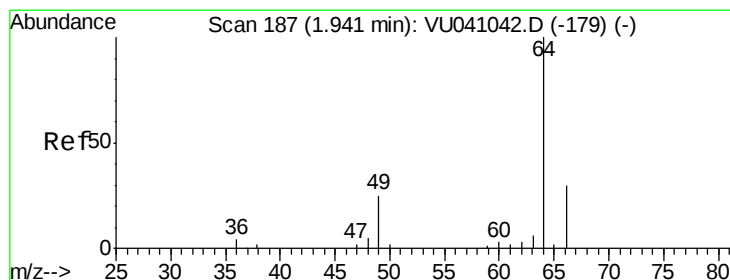
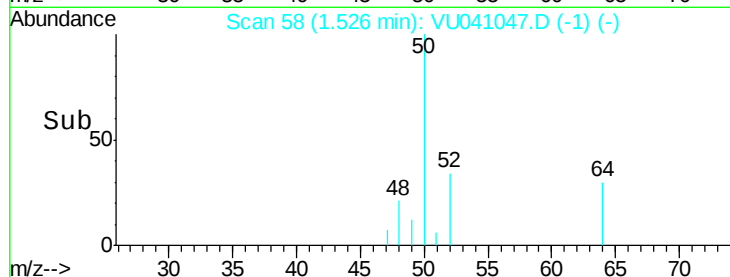
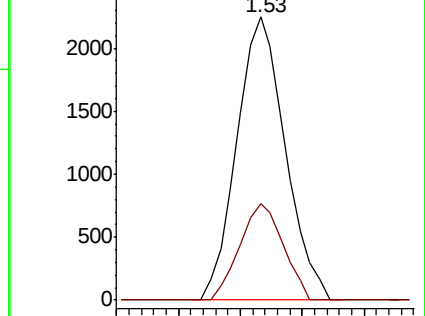
50 100

52 34.0 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.040 ug/L

RT: 1.93 min Scan# 185

Delta R.T. -0.01 min

Lab File: VU041047.D

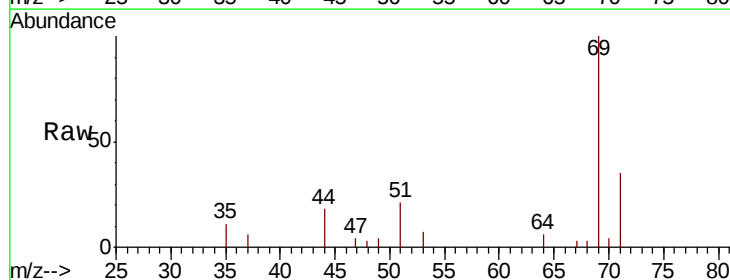
Acq: 02 Nov 2020 13:51

Tgt Ion: 64 Resp: 111

Ion Ratio Lower Upper

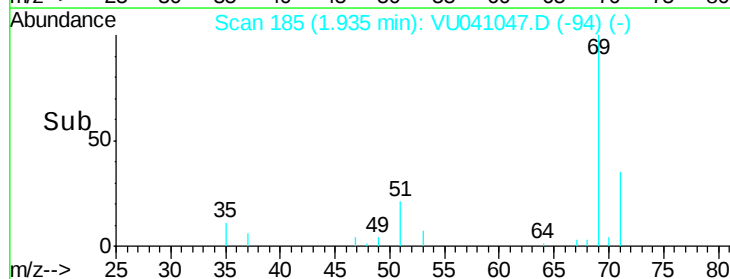
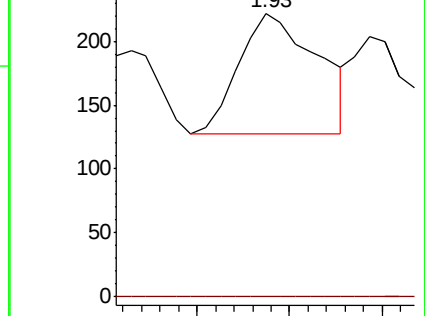
64 100

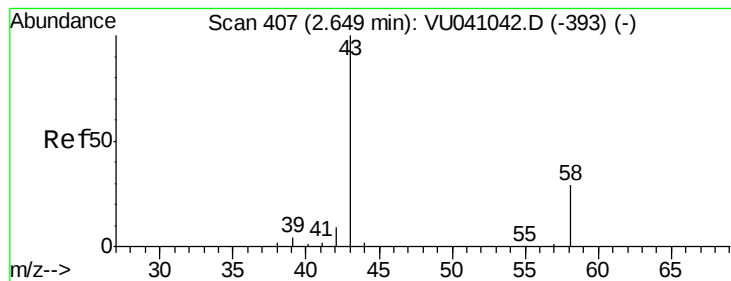
66 0.0 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#13

Acetone

Concen: 18.702 ug/L

RT: 2.64 min Scan# 405

Delta R.T. -0.01 min

Lab File: VU041047.D

Acq: 02 Nov 2020 13:51

Instrument :

MSVOA_U

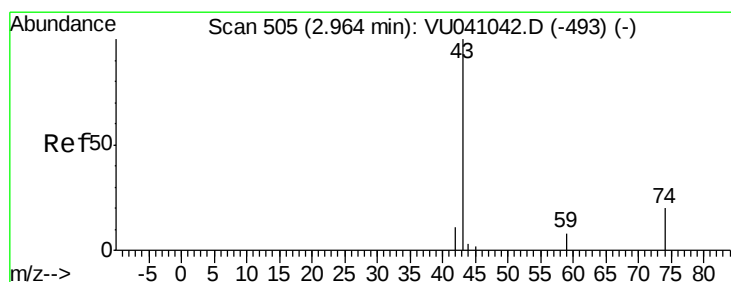
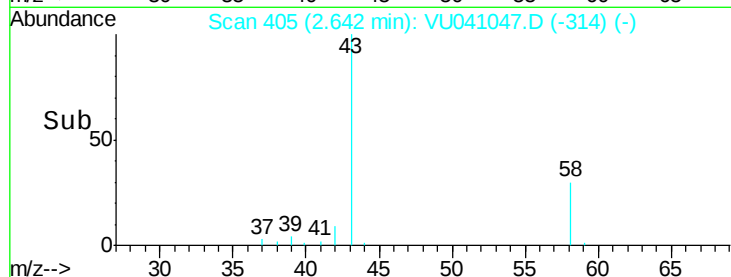
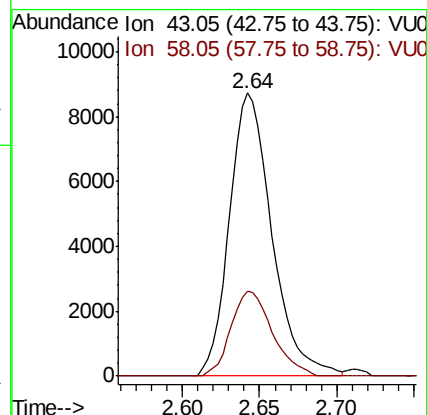
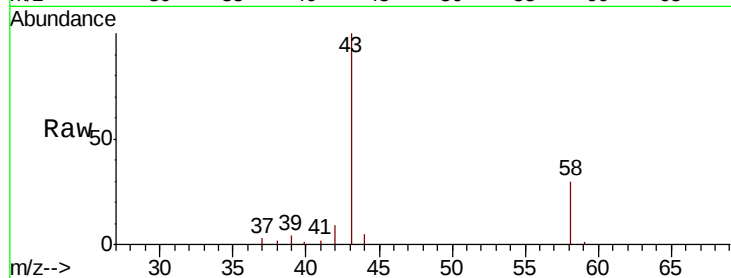
ClientSampleId :

Tot Ion: 43 Resp: 16629

Ion Ratio Lower Upper

43 100

58 29.2 0.0 25.4#



#15

Methyl Acetate

Concen: 0.257 ug/L

RT: 2.97 min Scan# 506

Delta R.T. 0.00 min

Lab File: VU041047.D

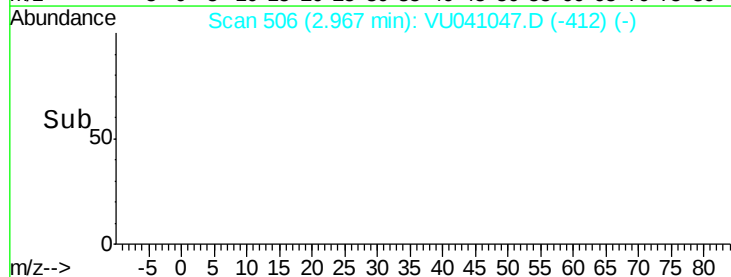
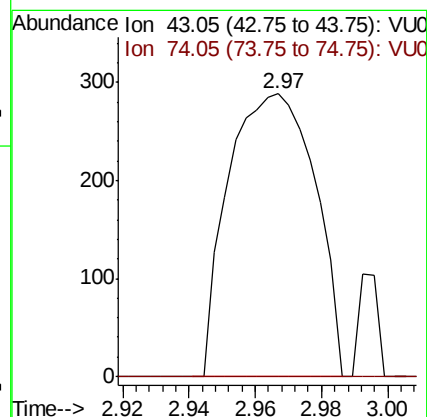
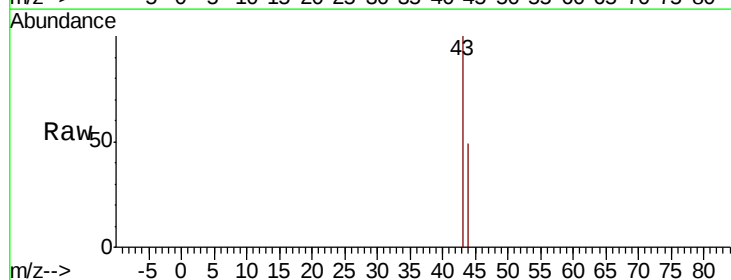
Acq: 02 Nov 2020 13:51

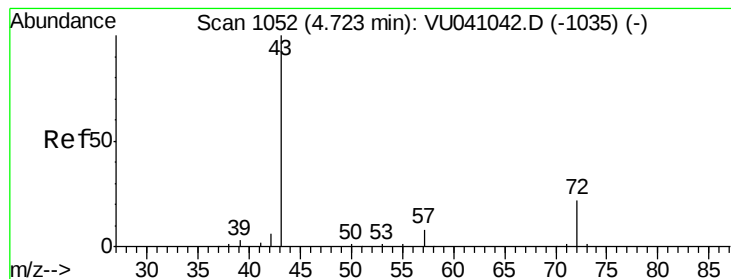
Tgt Ion: 43 Resp: 522

Ion Ratio Lower Upper

43 100

74 0.0 18.3 27.5#





#21

2-Butanone

Concen: 2.338 ug/L

RT: 4.73 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VU041047.D

Acq: 02 Nov 2020 13:51

Instrument :

MSVOA_U

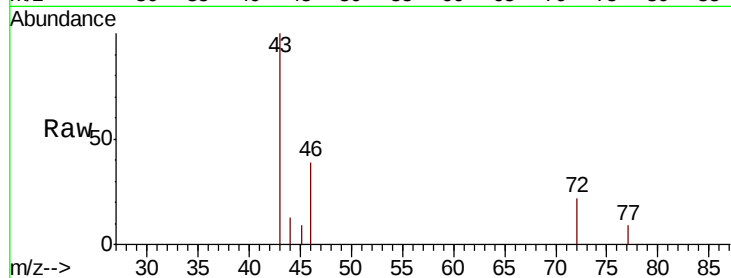
ClientSampled :

Tot Ion: 43 Resp: 3249

Ion Ratio Lower Upper

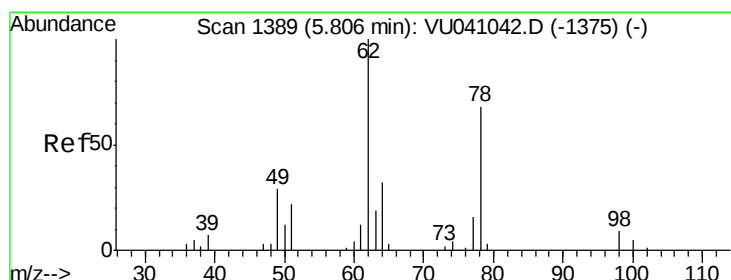
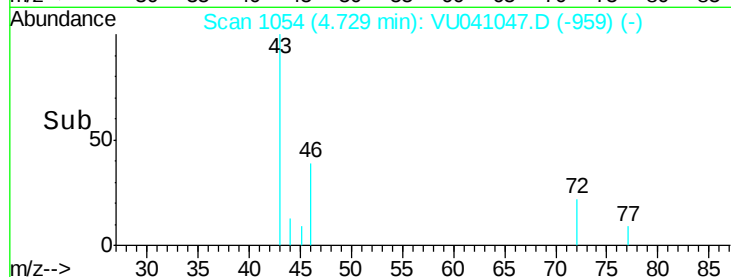
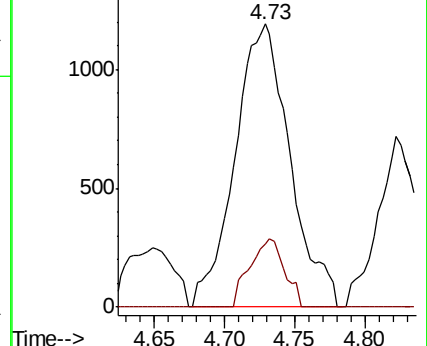
43 100

72 15.3 11.8 35.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0



#27

1,2-Dichloroethane

Concen: 0.090 ug/L

RT: 5.74 min Scan# 1368

Delta R.T. -0.07 min

Lab File: VU041047.D

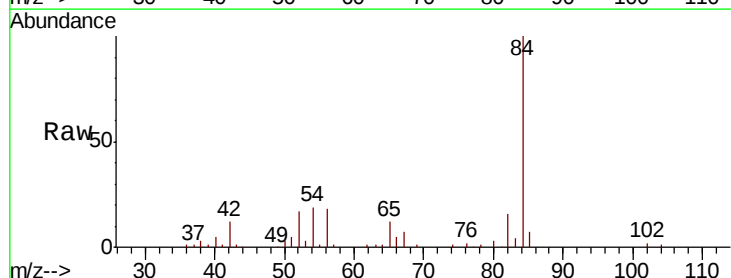
Acq: 02 Nov 2020 13:51

Tgt Ion: 62 Resp: 455

Ion Ratio Lower Upper

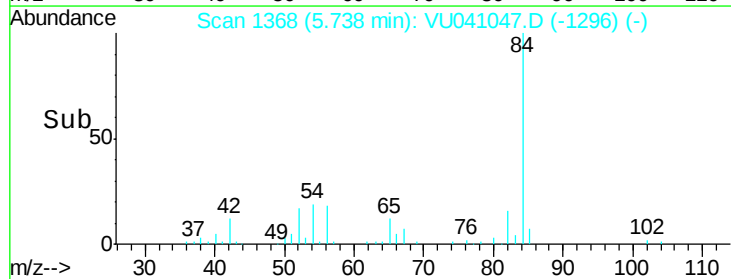
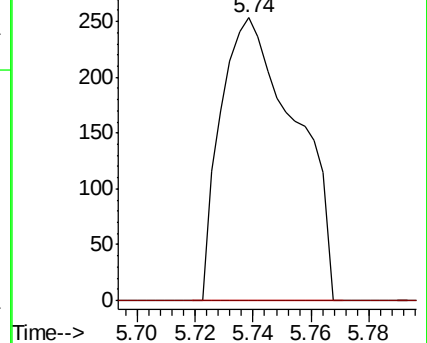
62 100

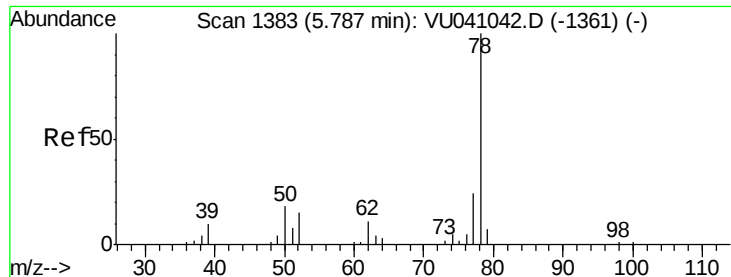
98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

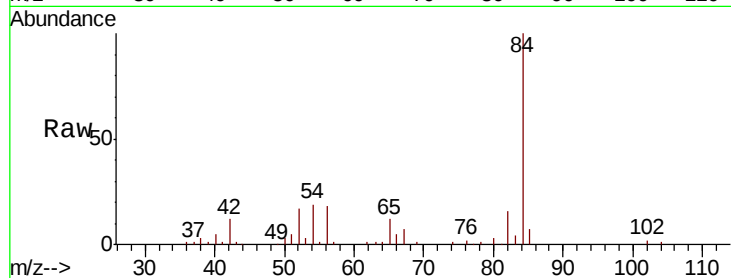




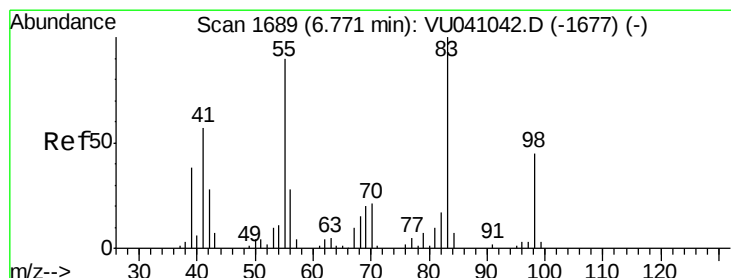
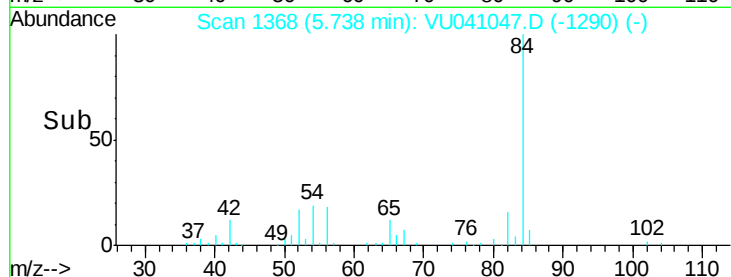
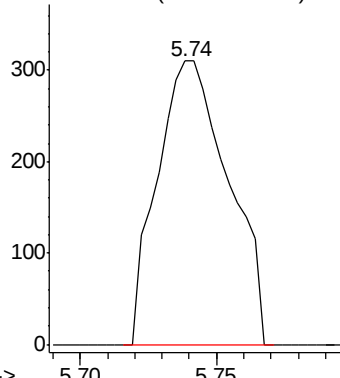
#33
Benzene
Concen: 0.038 ug/L
RT: 5.74 min Scan# 1368
Delta R.T. -0.05 min
Lab File: VU041047.D
Acq: 02 Nov 2020 13:51

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 562

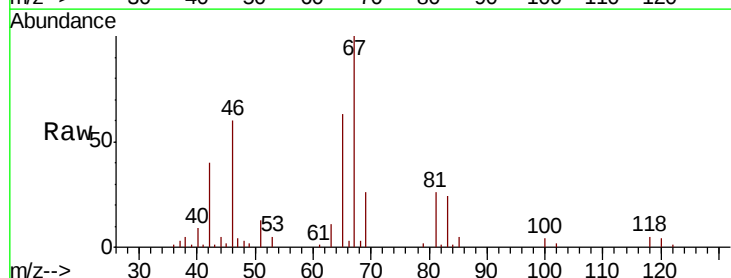


Abundance Ion 78.10 (77.80 to 78.80): VU0



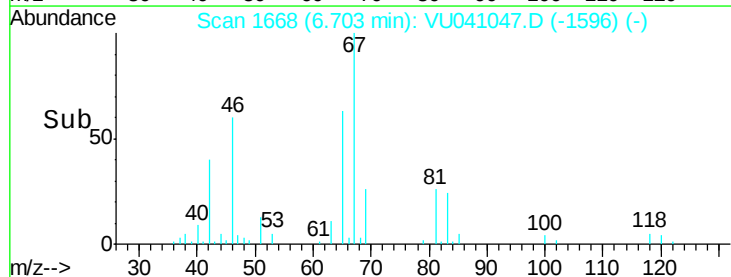
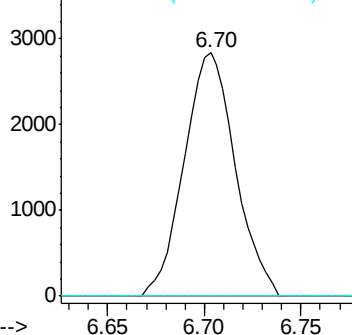
#35
Methylcyclohexane
Concen: 0.934 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041047.D
Acq: 02 Nov 2020 13:51

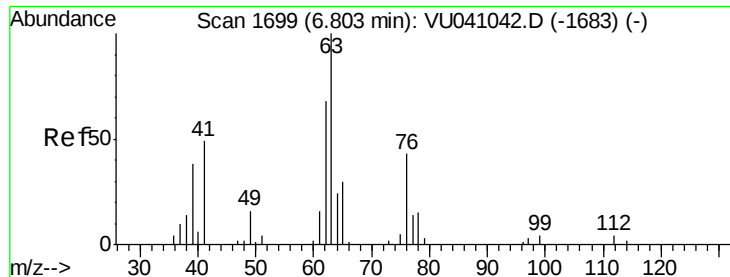
Tgt Ion: 83 Resp: 5219
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 1.3 36.6 55.0#



Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

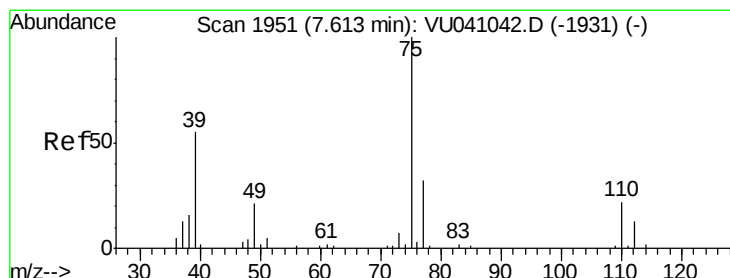
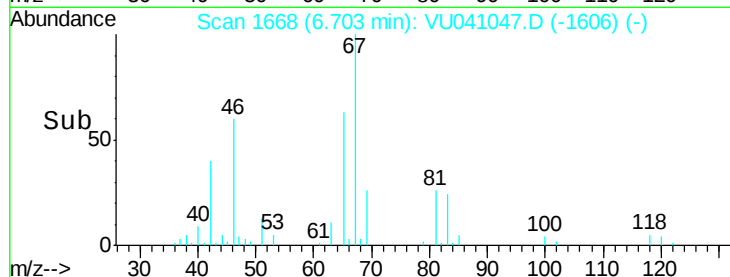
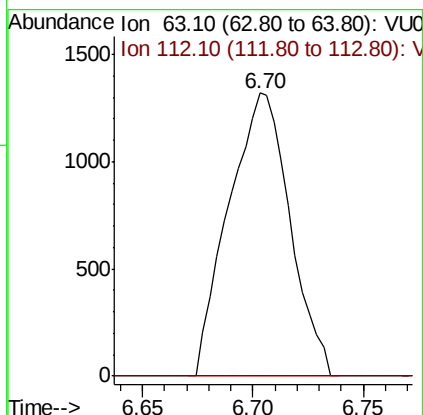
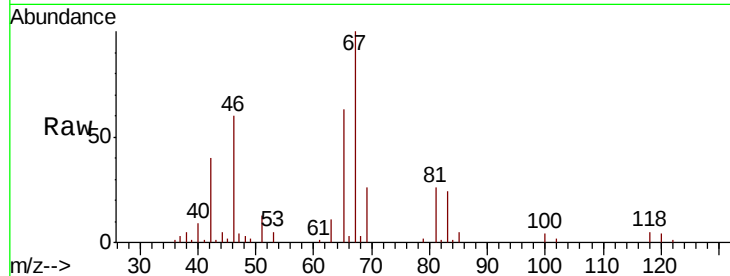




#37
 1,2-Dichloropropane
 Concen: 0.638 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041047.D
 Acq: 02 Nov 2020 13:51

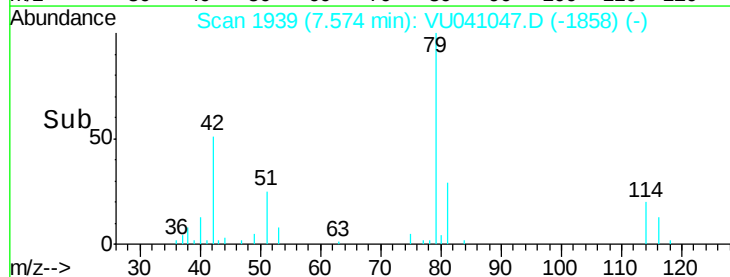
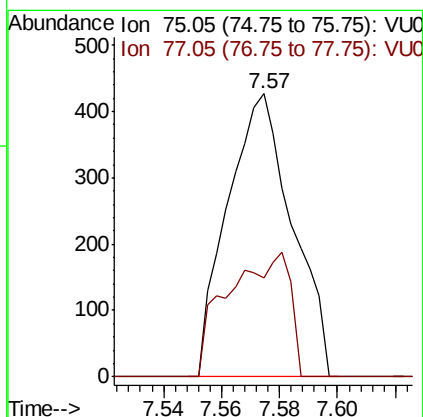
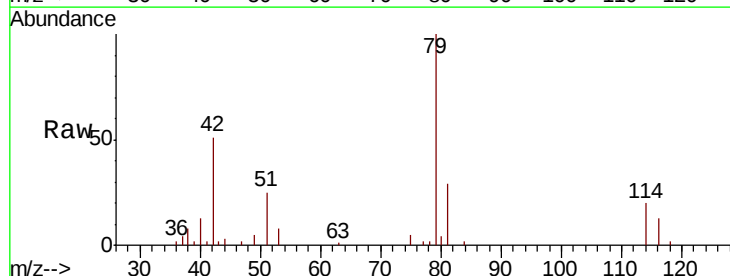
Instrument :
 MSVOA_U
 ClientSampled :

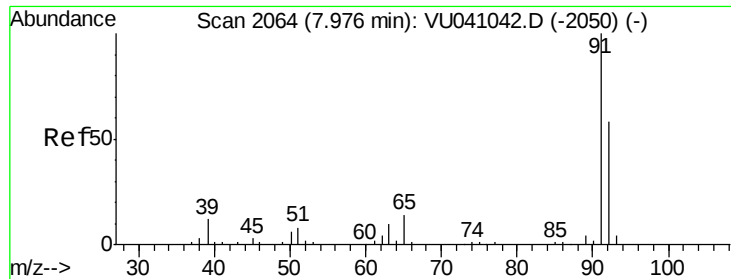
Tot Ion: 63 Resp: 2539
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.120 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041047.D
 Acq: 02 Nov 2020 13:51

Tgt Ion: 75 Resp: 660
 Ion Ratio Lower Upper
 75 100
 77 34.9 22.7 42.3





#42

Toluene

Concen: 0.140 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041047.D

Acq: 02 Nov 2020 13:51

Instrument :

MSVOA_U

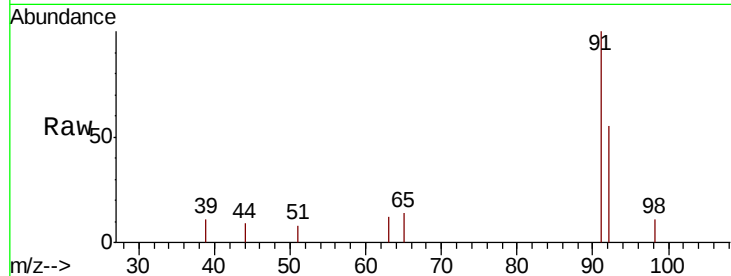
ClientSampled :

Tot Ion: 91 Resp: 2092

Ion Ratio Lower Upper

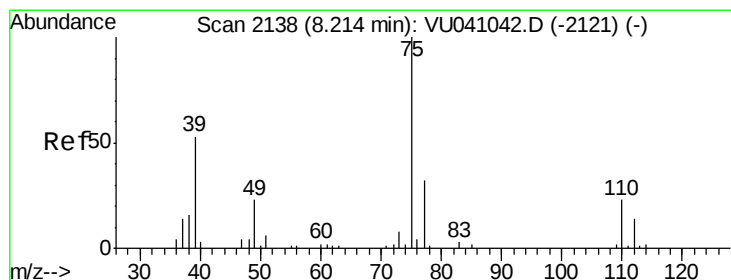
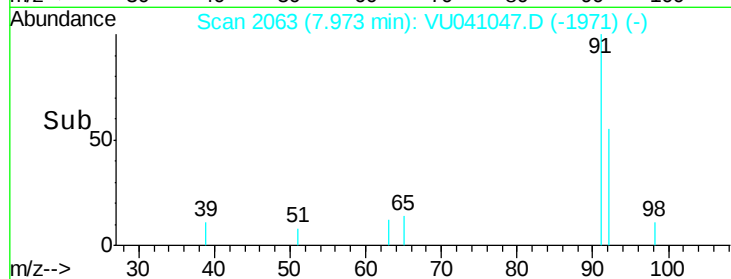
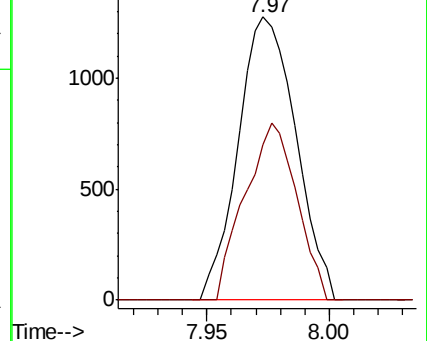
91 100

92 54.9 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.077 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041047.D

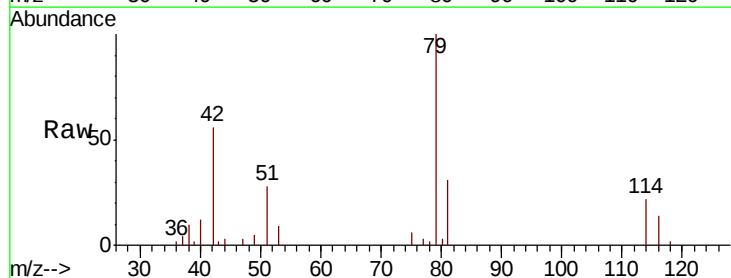
Acq: 02 Nov 2020 13:51

Tgt Ion: 75 Resp: 394

Ion Ratio Lower Upper

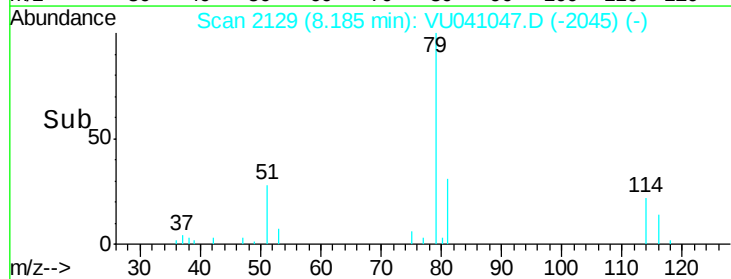
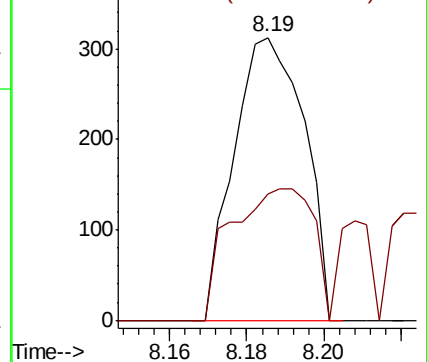
75 100

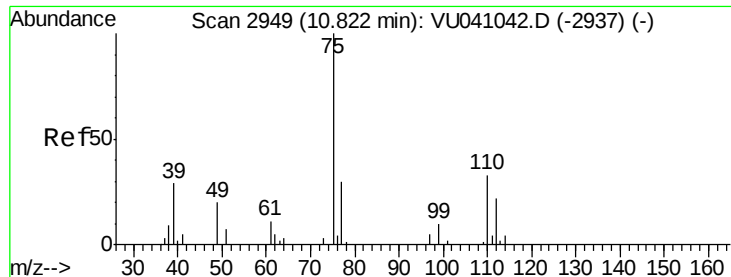
77 44.7 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#59

1,2,3-Trichloropropane

Concen: 1.018 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041047.D

Acq: 02 Nov 2020 13:51

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 3021

Ion Ratio Lower Upper

75 100

77 40.7 25.7 38.5#

