

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120920\
 Data File : VU041507.D
 Acq On : 09 Dec 2020 12:17
 Operator : SY/MD
 Sample : L4979-20
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 10 04:46:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 10 04:45:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	44925	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	48790	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	23851	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	9043	3.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.40%
7) Chloroethane-d5	1.92	69	9033	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.20%
11) 1,1-Dichloroethene-d2	2.58	63	16769	3.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.00%
20) 2-Butanone-d5	4.65	46	36826	42.56	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.12%
24) Chloroform-d	5.08	84	29556	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.72	65	19841	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
32) Benzene-d6	5.74	84	40301	3.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.20%
36) 1,2-Dichloropropane-d6	6.70	67	11293	3.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	71.00%
41) Toluene-d8	7.91	98	36988	3.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.40%#
43) trans-1,3-Dichloropropene-	8.19	79	7819	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
46) 2-Hexanone-d5	8.64	63	28080	35.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	71.66%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	11919	3.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	68.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	17804	4.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.20%

Target Compounds

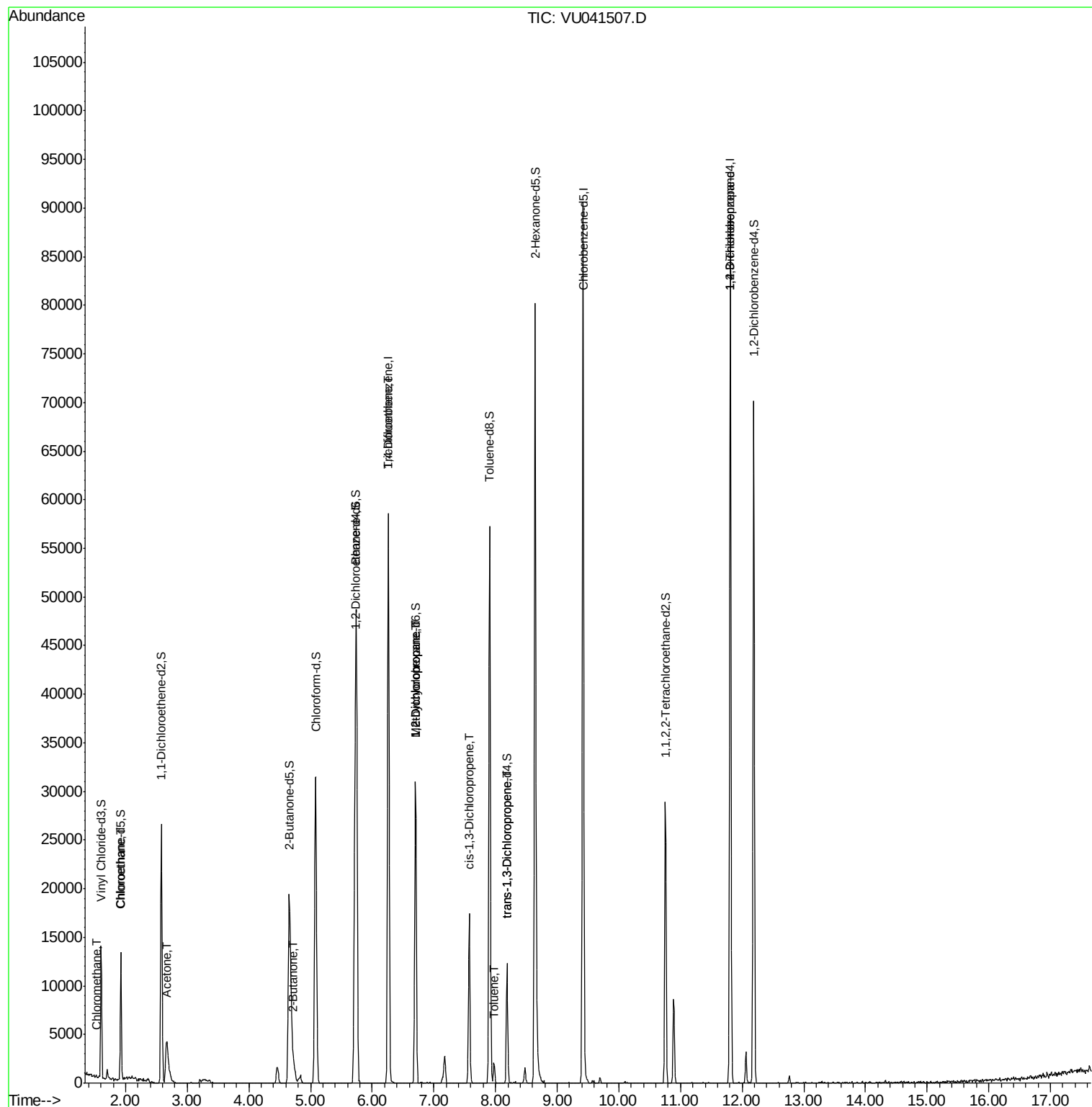
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	113	0.044	ug/L #	41
8) Chloroethane	1.93	64	213	0.107	ug/L #	45
13) Acetone	2.67	43	11016	16.353	ug/L	70
21) 2-Butanone	4.73	43	647	0.768	ug/L #	70
34) Trichloroethene	6.27	95	851	0.233	ug/L #	6
35) Methylcyclohexane	6.70	83	3647	0.734	ug/L #	17
37) 1,2-Dichloropropane	6.71	63	2004	0.708	ug/L #	84
39) cis-1,3-Dichloropropene	7.58	75	497	0.097	ug/L #	63
42) Toluene	7.98	91	1979	0.146	ug/L	91
44) trans-1,3-Dichloropropene	8.18	75	307	0.060	ug/L #	42
59) 1,2,3-Trichloropropane	11.81	75	2336	0.851	ug/L #	70

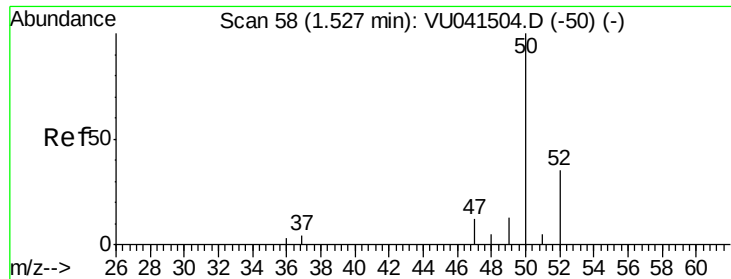
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.044 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041507.D

Acq: 09 Dec 2020 12:17

Instrument :

MSVOA_U

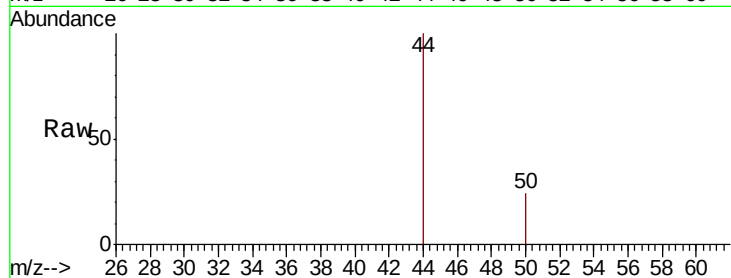
ClientSampleId :

Tot Ion: 50 Resp: 113

Ion Ratio Lower Upper

50 100

52 0.0 23.3 43.3#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.53

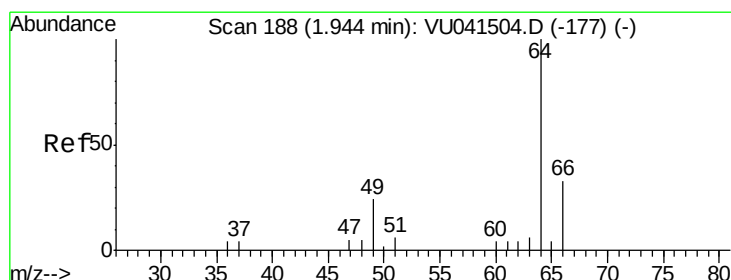
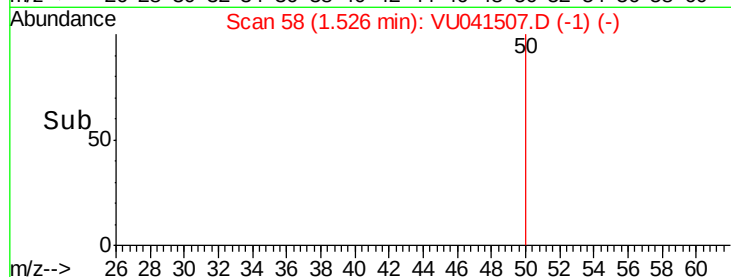
150

100

50

0

Time-->



#8

Chloroethane

Concen: 0.107 ug/L

RT: 1.93 min Scan# 185

Delta R.T. -0.01 min

Lab File: VU041507.D

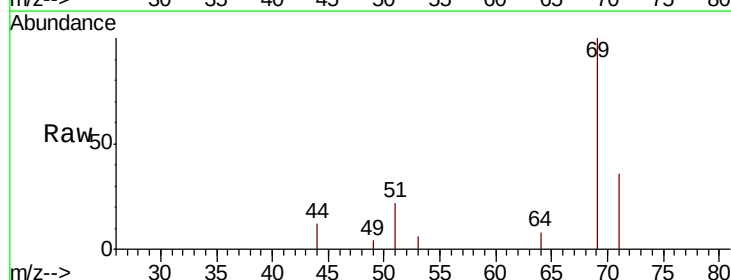
Acq: 09 Dec 2020 12:17

Tgt Ion: 64 Resp: 213

Ion Ratio Lower Upper

64 100

66 0.0 20.9 38.9#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.93

200

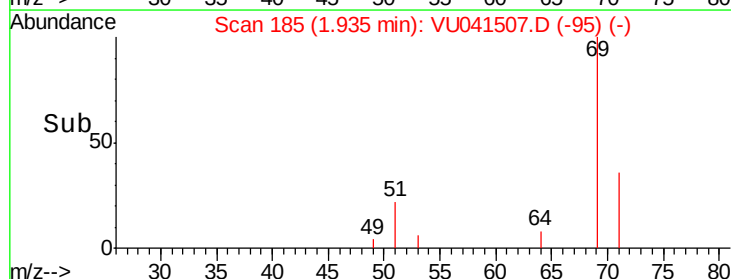
150

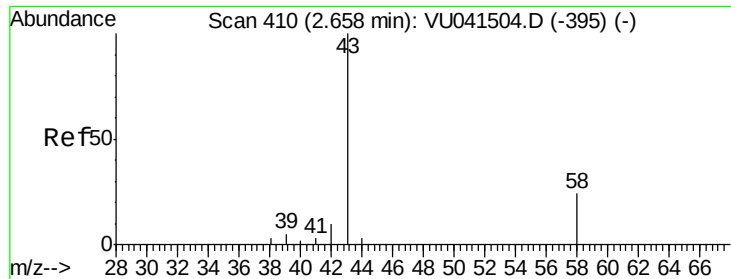
100

50

0

Time-->





#13

Acetone

Concen: 16.353 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU041507.D

Acq: 09 Dec 2020 12:17

Instrument :

MSVOA_U

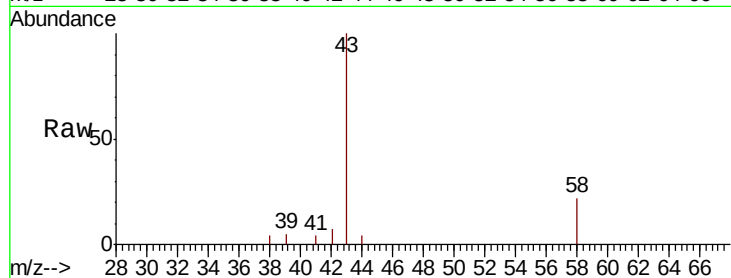
ClientSampled :

Tot Ion: 43 Resp: 11016

Ion Ratio Lower Upper

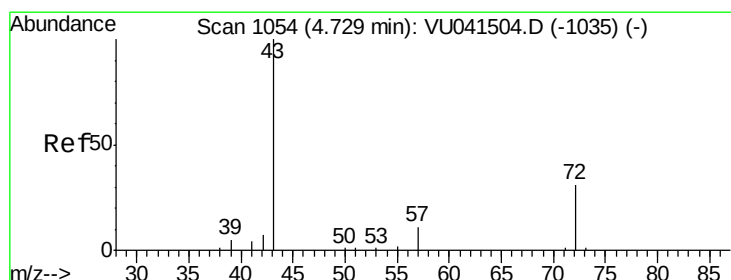
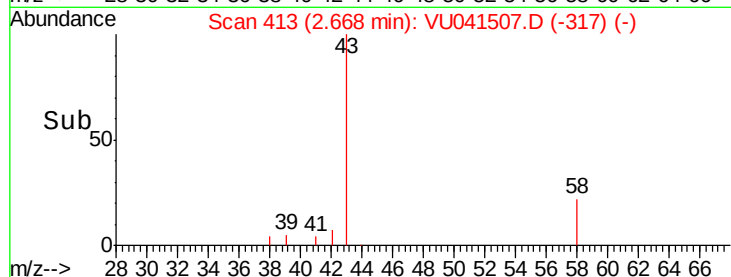
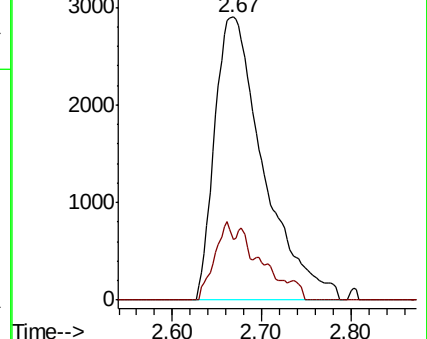
43 100

58 10.1 0.0 50.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#21

2-Butanone

Concen: 0.768 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VU041507.D

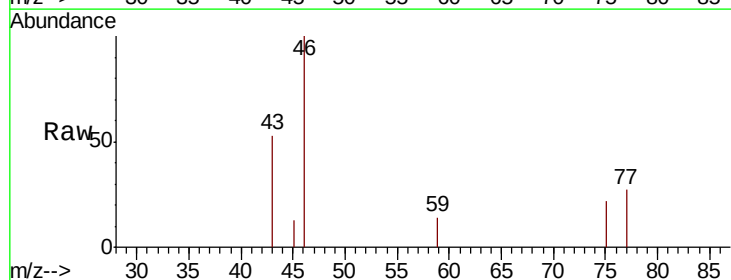
Acq: 09 Dec 2020 12:17

Tgt Ion: 43 Resp: 647

Ion Ratio Lower Upper

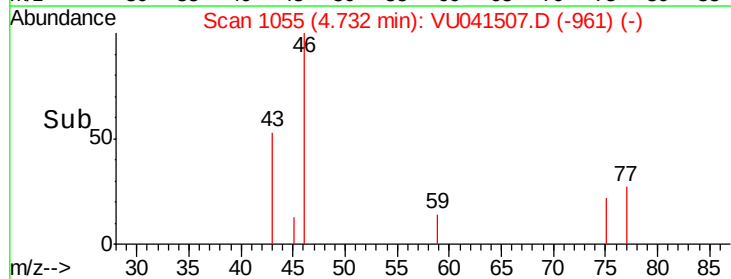
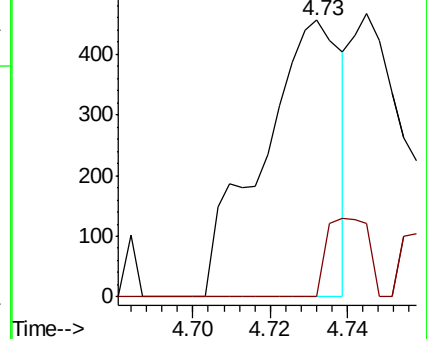
43 100

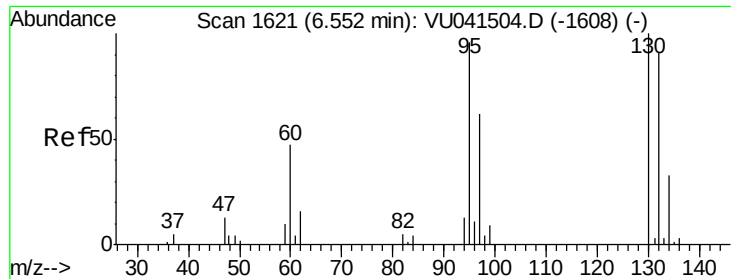
72 14.8 15.7 47.1#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0





#34

Trichloroethene

Concen: 0.233 ug/L

RT: 6.27 min Scan# 1532

Delta R.T. -0.29 min

Lab File: VU041507.D

Acq: 09 Dec 2020 12:17

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 851

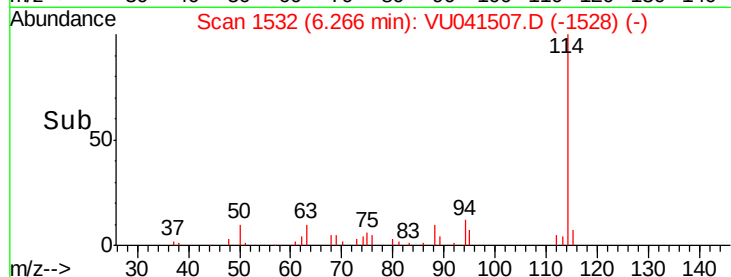
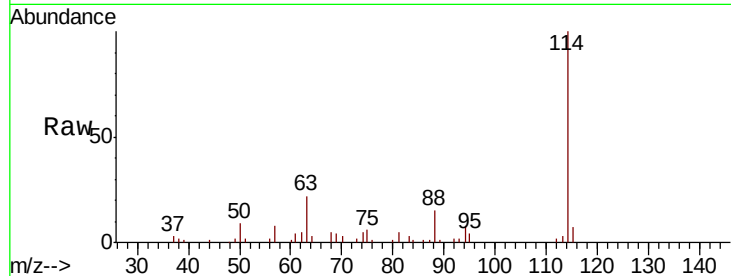
Ion Ratio Lower Upper

95 100

97 0.0 44.7 83.1#

132 0.0 65.7 121.9#

130 0.0 68.8 127.8#

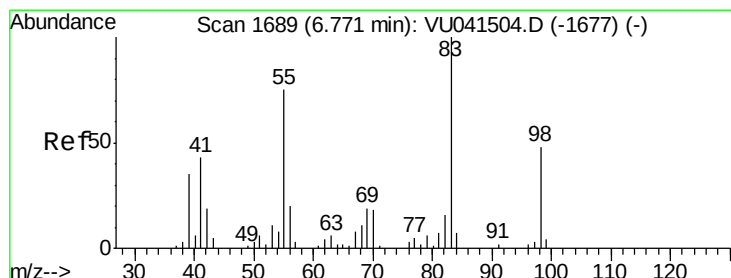
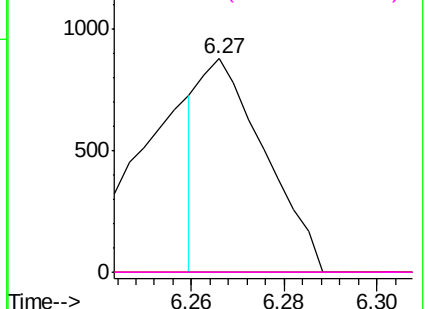


Abundance Ion 95.00 (94.70 to 95.70): VU0

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

Methylcyclohexane

Concen: 0.734 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041507.D

Acq: 09 Dec 2020 12:17

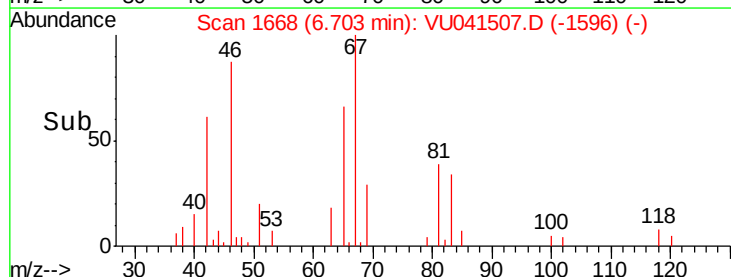
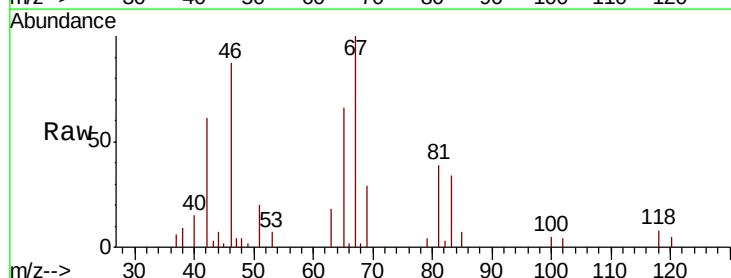
Tgt Ion: 83 Resp: 3647

Ion Ratio Lower Upper

83 100

55 0.0 62.1 93.1#

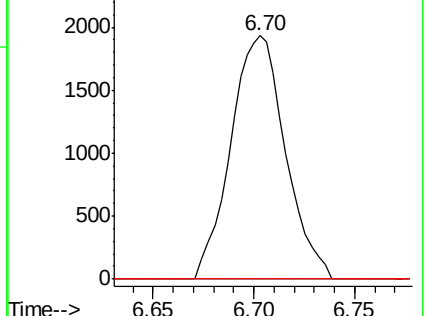
98 0.0 38.7 58.1#

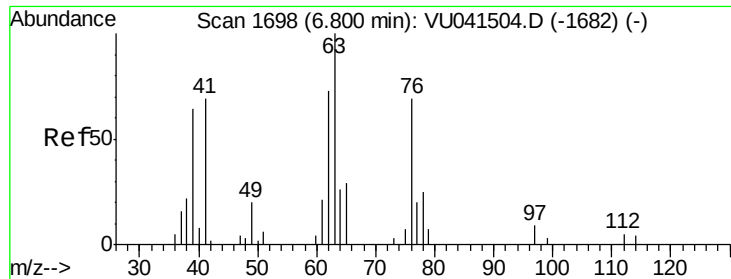


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

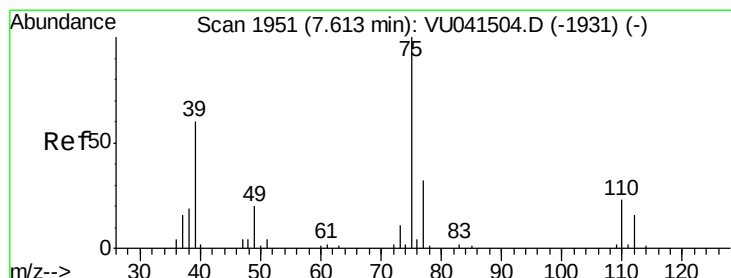
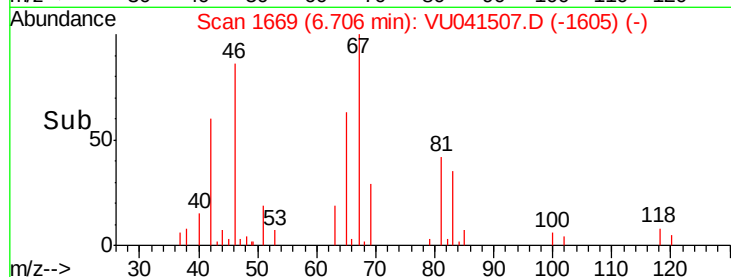
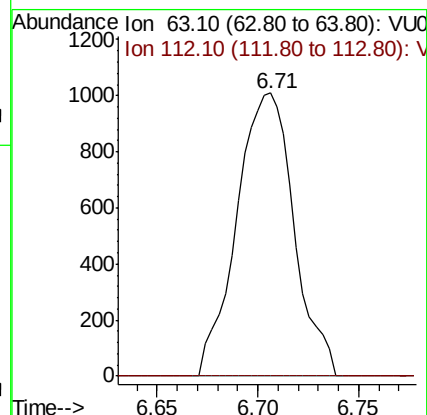
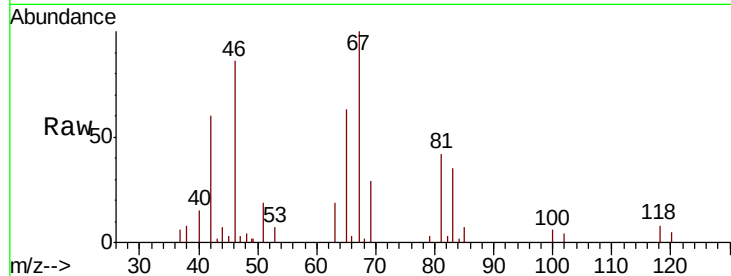




#37
 1,2-Dichloropropane
 Concen: 0.708 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.09 min
 Lab File: VU041507.D
 Acq: 09 Dec 2020 12:17

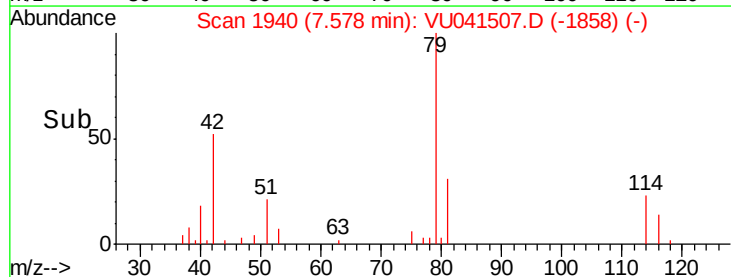
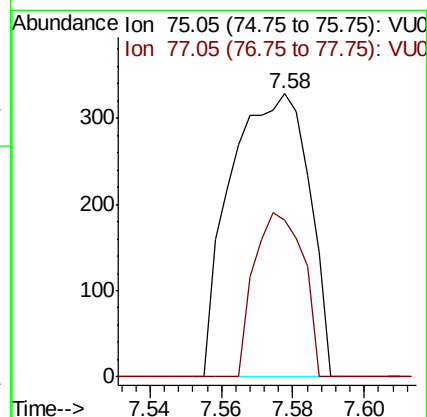
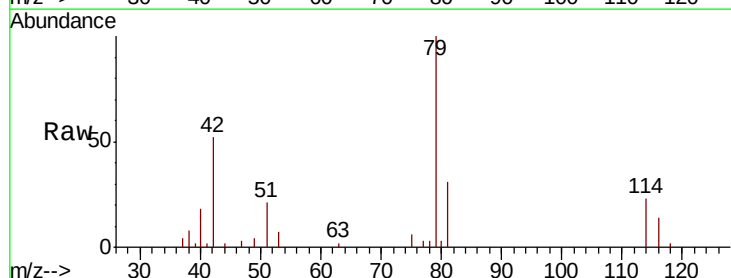
Instrument :
 MSVOA_U
 ClientSampled :

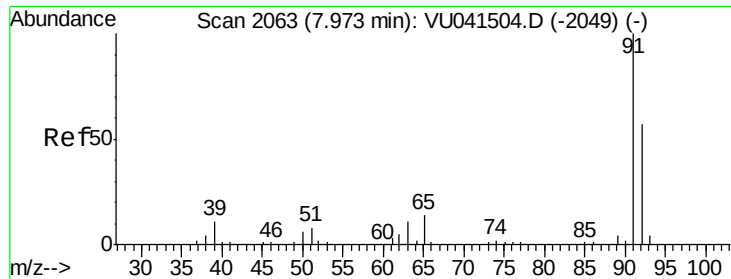
Tot Ion: 63 Resp: 2004
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.2 6.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.097 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU041507.D
 Acq: 09 Dec 2020 12:17

Tgt Ion: 75 Resp: 497
 Ion Ratio Lower Upper
 75 100
 77 55.5 24.0 44.6#





#42

Toluene

Concen: 0.146 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VU041507.D

Acq: 09 Dec 2020 12:17

Instrument :

MSVOA_U

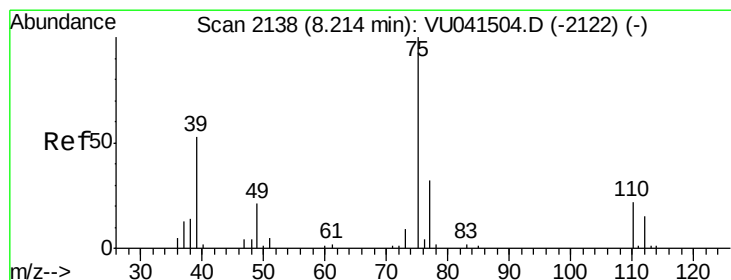
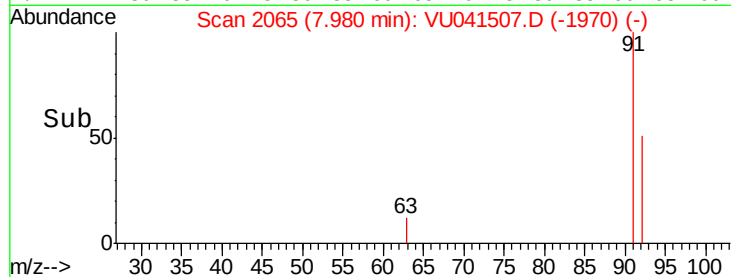
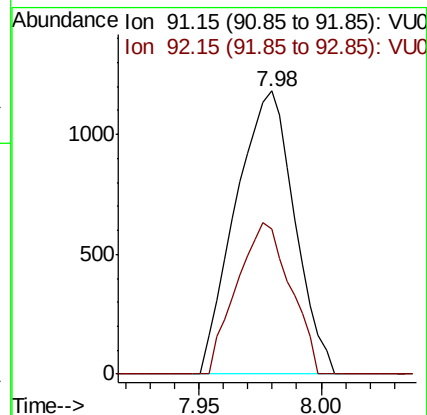
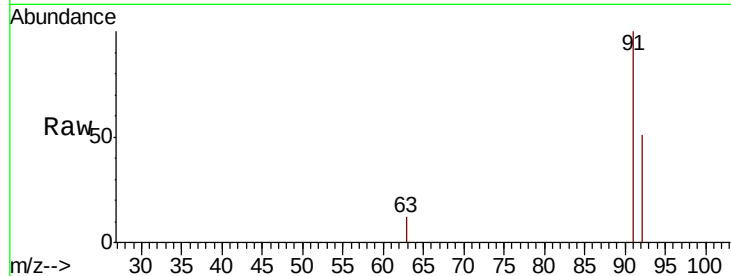
ClientSampleId :

Tot Ion: 91 Resp: 1979

Ion Ratio Lower Upper

91 100

92 51.5 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 0.060 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041507.D

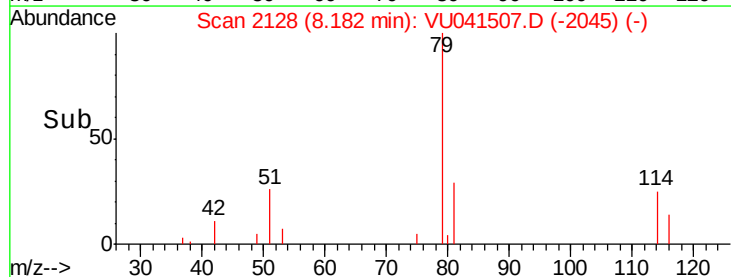
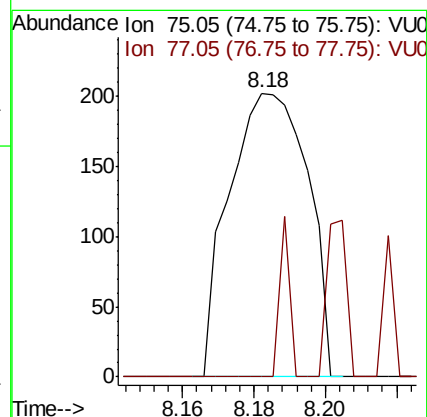
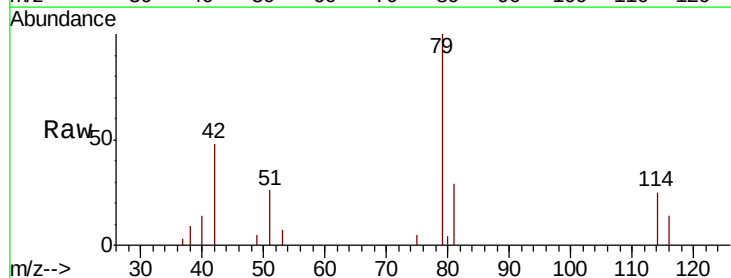
Acq: 09 Dec 2020 12:17

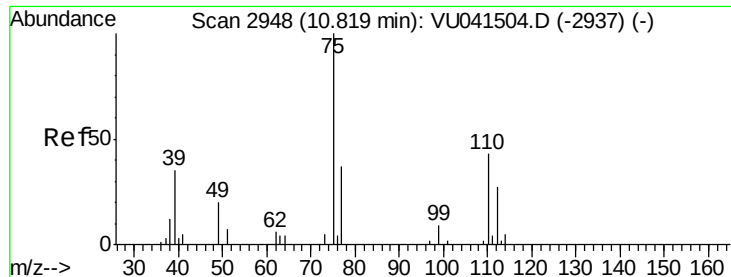
Tgt Ion: 75 Resp: 307

Ion Ratio Lower Upper

75 100

77 0.0 22.7 42.3#





#59

1,2,3-Trichloropropane

Concen: 0.851 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041507.D

Acq: 09 Dec 2020 12:17

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 2336

Ion Ratio Lower Upper

75 100

77 50.0 26.3 39.5#

