

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120920\
 Data File : VU041517.D
 Acq On : 09 Dec 2020 16:32
 Operator : SY/MD
 Sample : L4979-19
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 10 04:47:50 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	47177	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	48785	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	25004	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	8459	3.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.80%
7) Chloroethane-d5	1.92	69	9544	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.58	63	17440	2.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.40%#
20) 2-Butanone-d5	4.65	46	40364	44.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.84%
24) Chloroform-d	5.08	84	31893	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.72	65	21706	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.74	84	47680	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	6.70	67	12806	4.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.60%
41) Toluene-d8	7.91	98	44046	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloropropene-	8.19	79	8388	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.64	63	32449	41.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.82%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	14624	4.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	23061	5.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	580	0.215	ug/L	97
8) Chloroethane	1.94	64	200	0.096	ug/L #	45
13) Acetone	2.66	43	10313	14.579	ug/L	98
14) Carbon disulfide	2.81	76	606	0.071	ug/L #	76
15) Methyl Acetate	3.10	43	222	0.171	ug/L #	51
16) Methylene chloride	3.06	84	830	0.225	ug/L #	75
21) 2-Butanone	4.73	43	726	0.820	ug/L	87
27) 1,2-Dichloroethane	5.74	62	299	0.058	ug/L #	79
33) Benzene	5.79	78	1725	0.143	ug/L	100
35) Methylcyclohexane	6.70	83	4230	0.851	ug/L #	18
37) 1,2-Dichloropropane	6.70	63	1978	0.699	ug/L #	84
39) cis-1,3-Dichloropropene	7.57	75	548	0.107	ug/L #	40
42) Toluene	7.98	91	5412	0.398	ug/L	93
44) trans-1,3-Dichloropropene	8.19	75	248	0.049	ug/L #	60
52) Ethylbenzene	9.57	91	4589	0.295	ug/L	94
53) m,p-Xylene	9.69	106	582	0.103	ug/L	76
59) 1,2,3-Trichloropropane	11.81	75	2013	0.733	ug/L #	74

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 10 04:45:04 2020
Response via : Initial Calibration

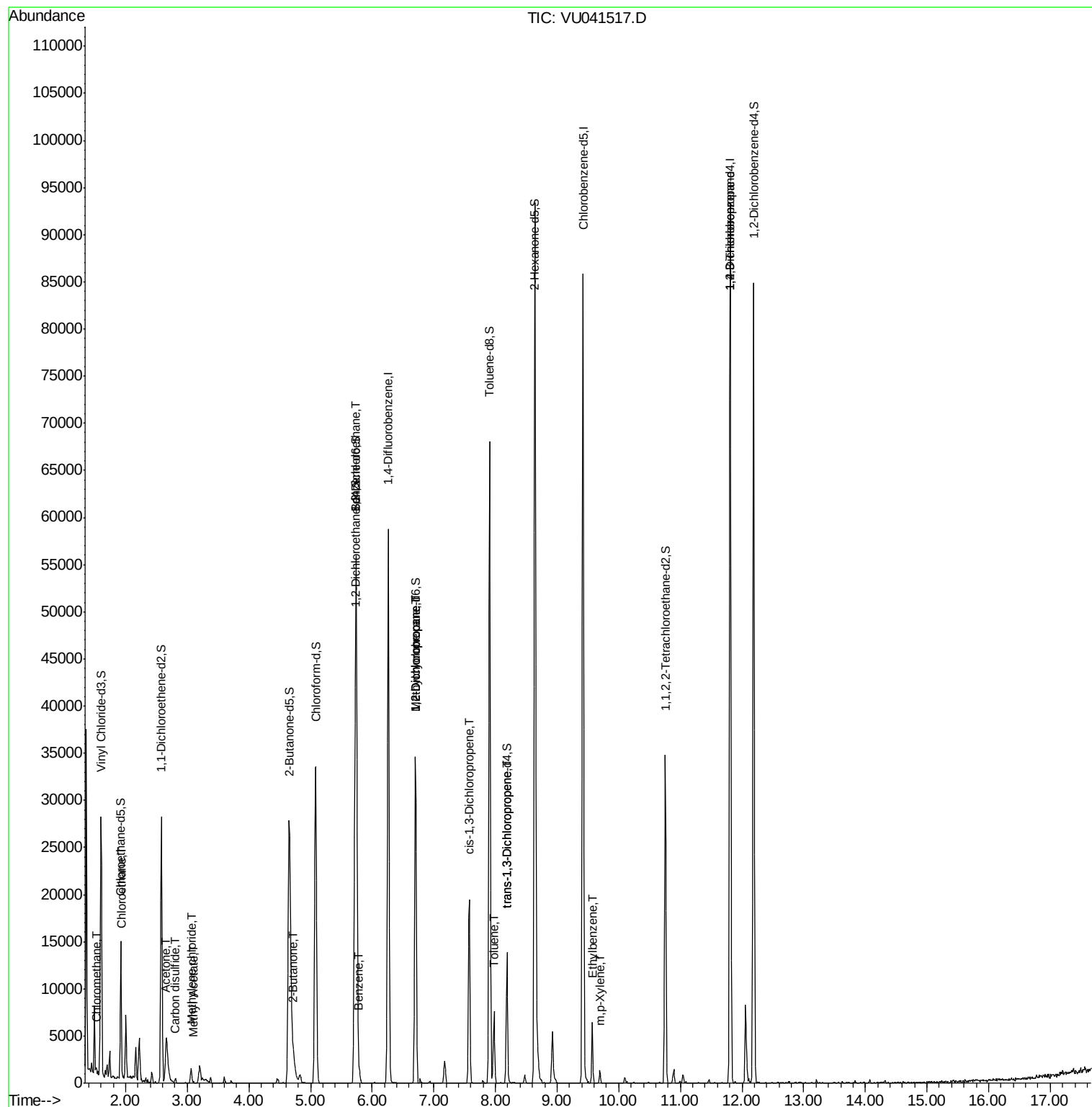
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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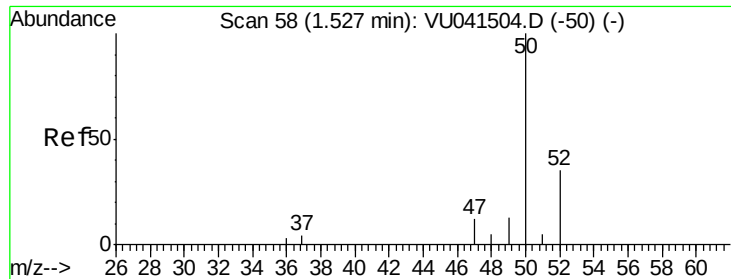
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.215 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041517.D

Acq: 09 Dec 2020 16:32

Instrument :

MSVOA_U

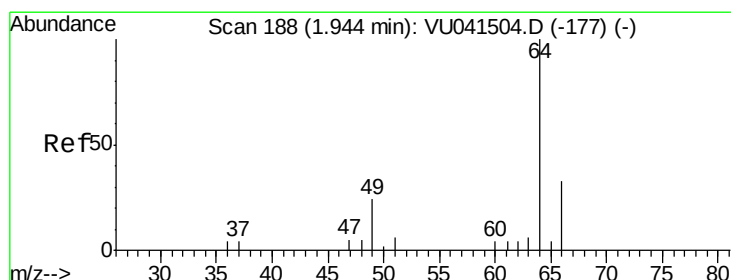
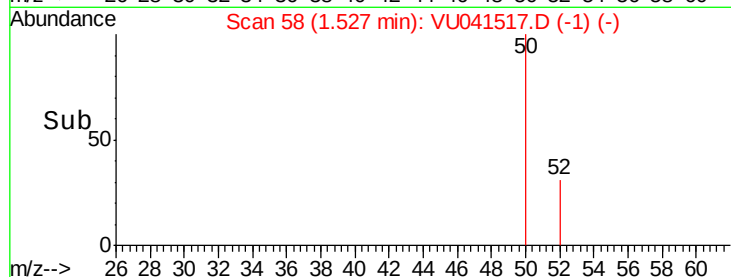
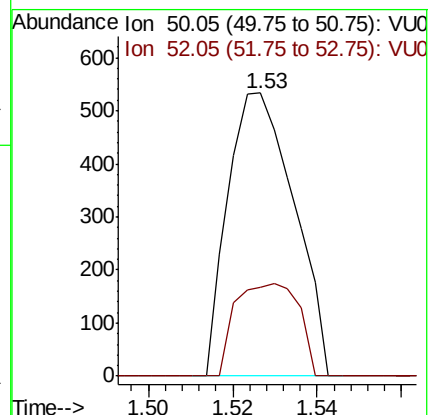
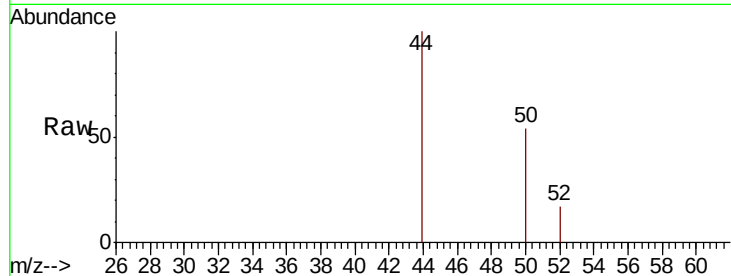
ClientSampleId :

Tot Ion: 50 Resp: 580

Ion Ratio Lower Upper

50 100

52 31.3 23.3 43.3



#8

Chloroethane

Concen: 0.096 ug/L

RT: 1.94 min Scan# 186

Delta R.T. -0.01 min

Lab File: VU041517.D

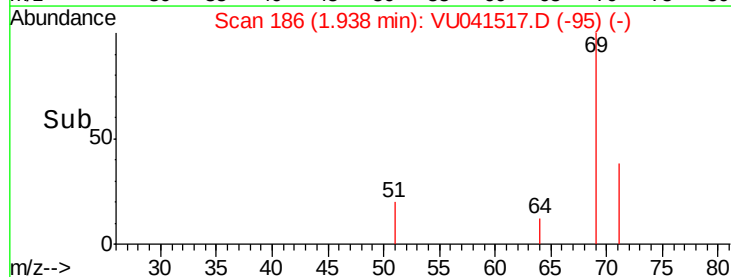
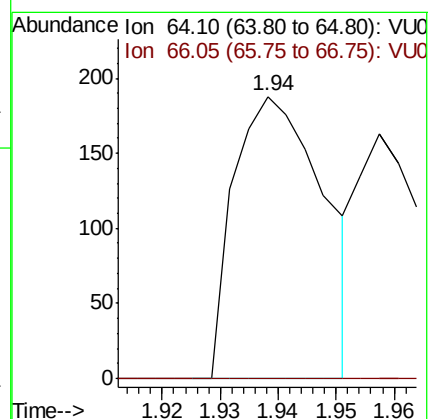
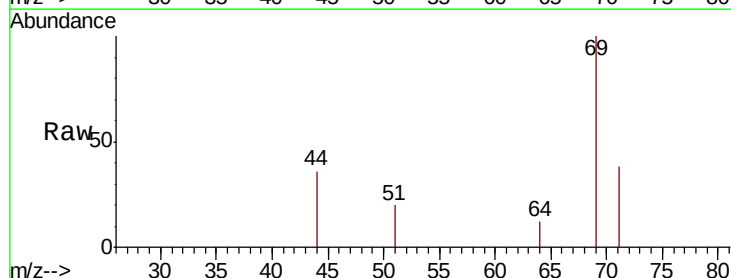
Acq: 09 Dec 2020 16:32

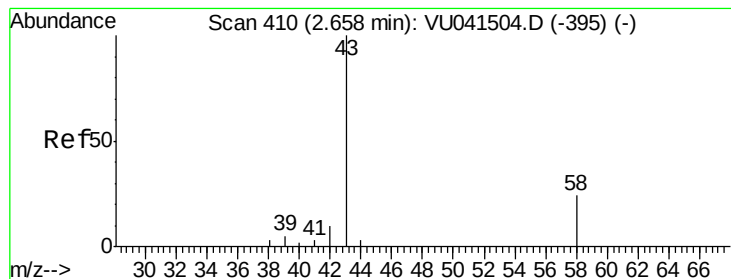
Tgt Ion: 64 Resp: 200

Ion Ratio Lower Upper

64 100

66 0.0 20.9 38.9#





#13

Acetone

Concen: 14.579 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU041517.D

Acq: 09 Dec 2020 16:32

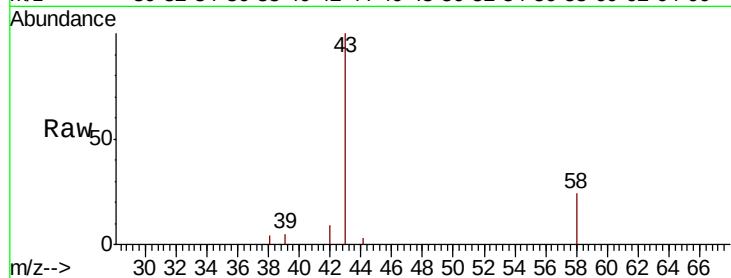
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 10313

Ion Ratio Lower Upper

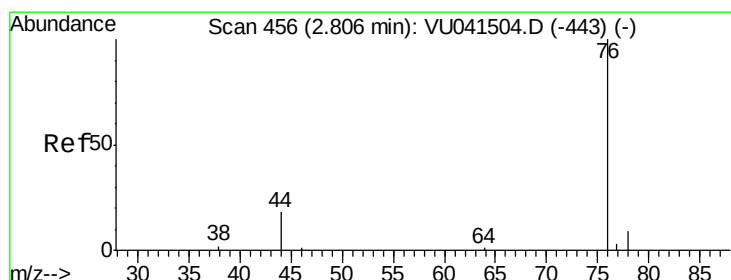
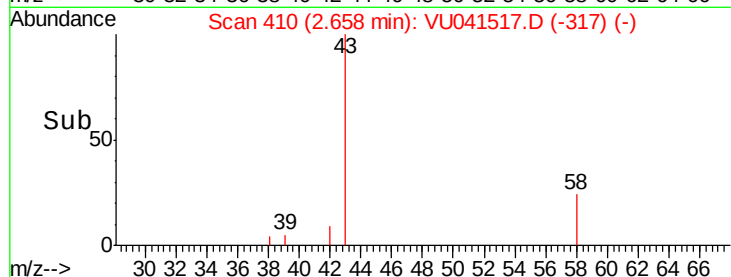
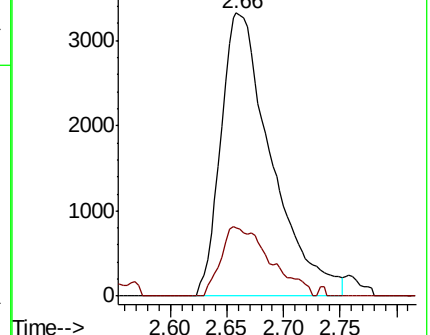
43 100

58 24.0 0.0 50.0



Abundance Ion 43.05 (42.75 to 43.75): VU041517.D (-317) (-)

Ion 58.05 (57.75 to 58.75): VU041517.D (-317) (-)



#14

Carbon disulfide

Concen: 0.071 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041517.D

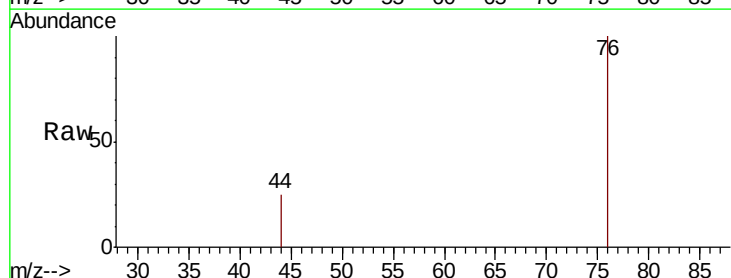
Acq: 09 Dec 2020 16:32

Tgt Ion: 76 Resp: 606

Ion Ratio Lower Upper

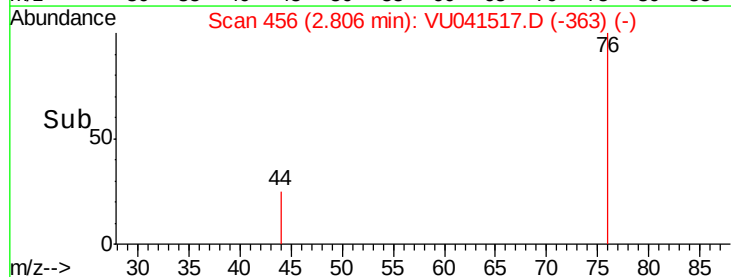
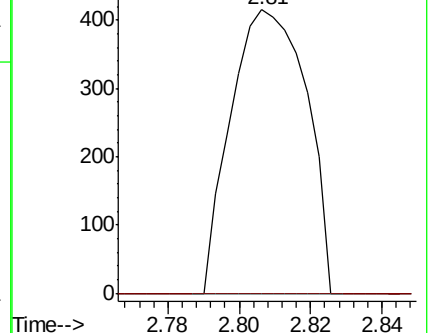
76 100

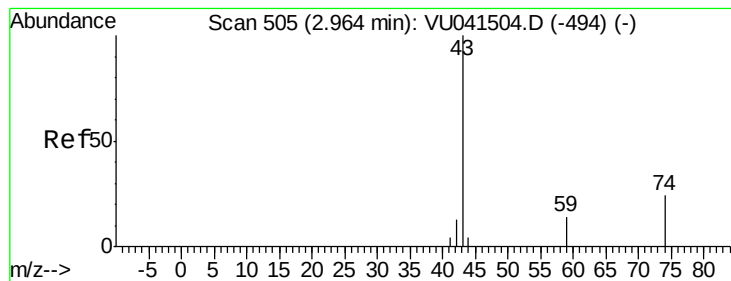
78 0.0 6.8 10.2#



Abundance Ion 76.05 (75.75 to 76.75): VU041517.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU041517.D (-363) (-)





#15

Methyl Acetate

Concen: 0.171 ug/L

RT: 3.10 min Scan# 548

Delta R.T. 0.14 min

Lab File: VU041517.D

Acq: 09 Dec 2020 16:32

Instrument :

MSVOA_U

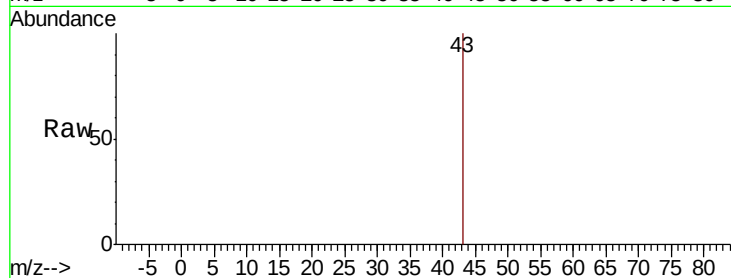
ClientSampleId :

Tot Ion: 43 Resp: 222

Ion Ratio Lower Upper

43 100

74 0.0 19.7 29.5#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

3.10

200

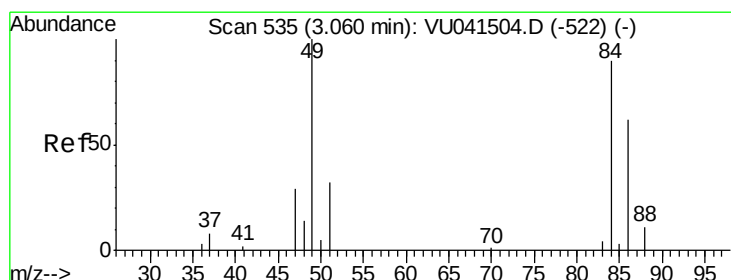
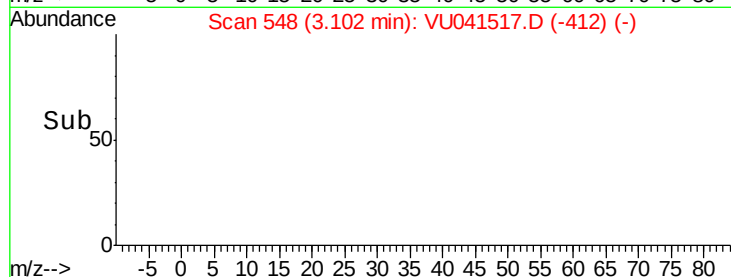
150

100

50

0

Time-->



#16

Methylene chloride

Concen: 0.225 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041517.D

Acq: 09 Dec 2020 16:32

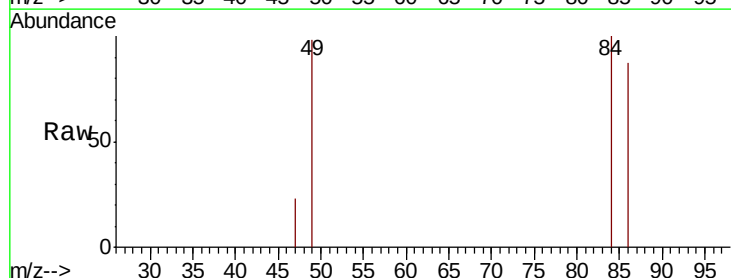
Tgt Ion: 84 Resp: 830

Ion Ratio Lower Upper

84 100

86 86.9 44.1 81.9#

49 97.9 86.1 159.9



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

600

500

400

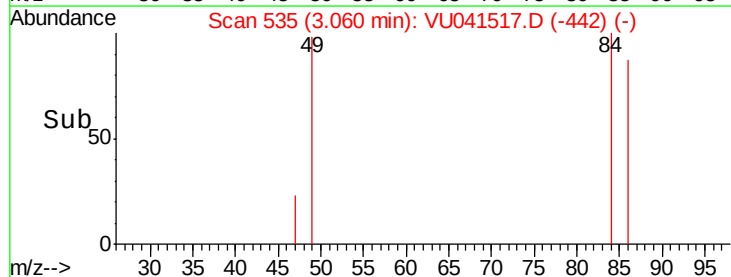
300

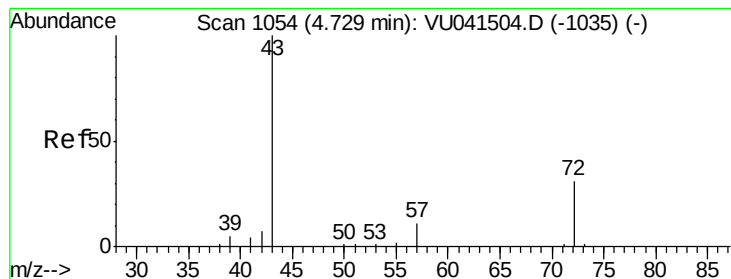
200

100

0

Time-->





#21

2-Butanone

Concen: 0.820 ug/L

RT: 4.73 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VU041517.D

Acq: 09 Dec 2020 16:32

Instrument :

MSVOA_U

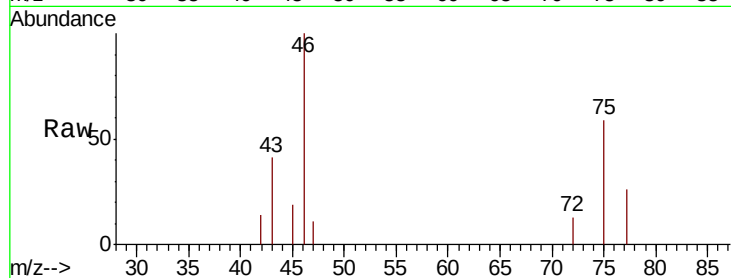
ClientSampled :

Tot Ion: 43 Resp: 726

Ion Ratio Lower Upper

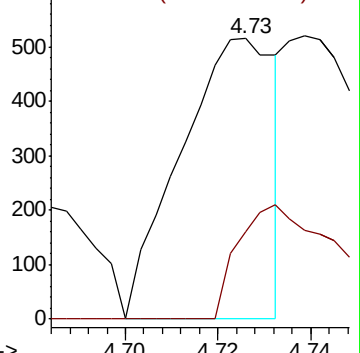
43 100

72 38.4 15.7 47.1

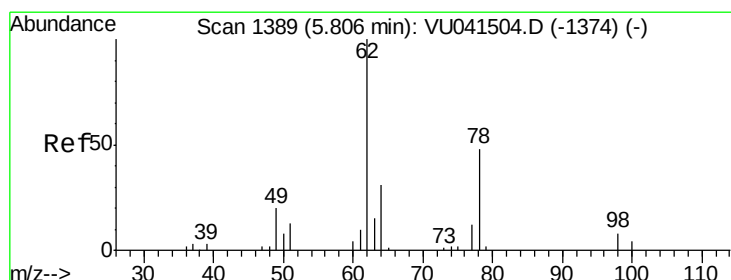
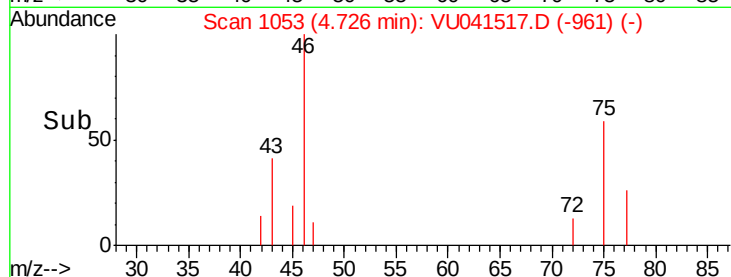


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0



Time-->



#27

1,2-Dichloroethane

Concen: 0.058 ug/L

RT: 5.74 min Scan# 1368

Delta R.T. -0.07 min

Lab File: VU041517.D

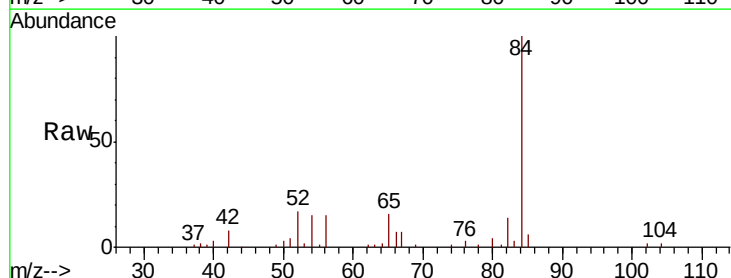
Acq: 09 Dec 2020 16:32

Tgt Ion: 62 Resp: 299

Ion Ratio Lower Upper

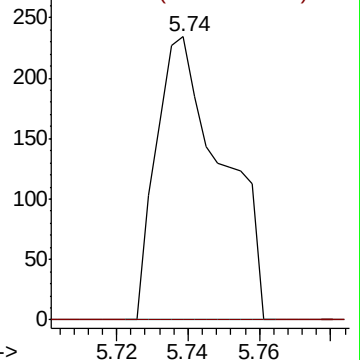
62 100

98 0.0 5.7 8.5#

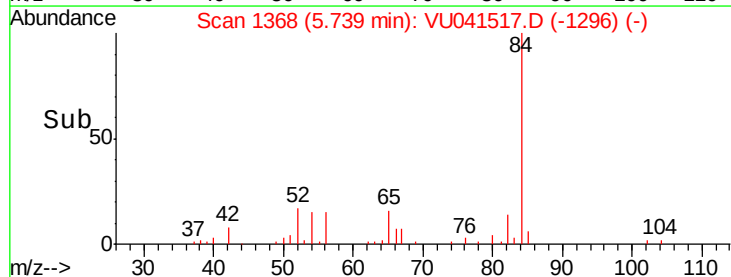


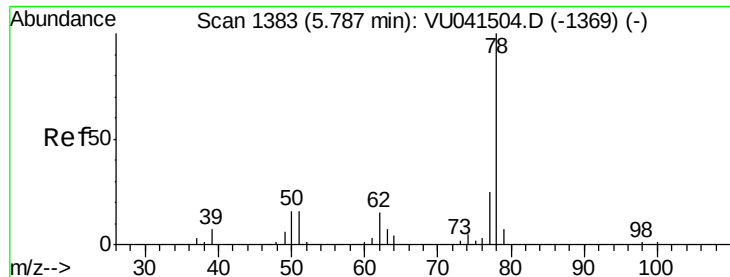
Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



Time-->

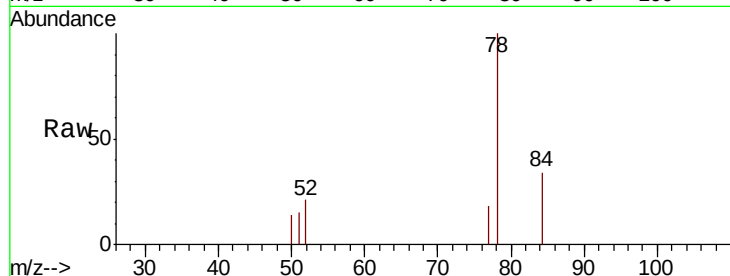




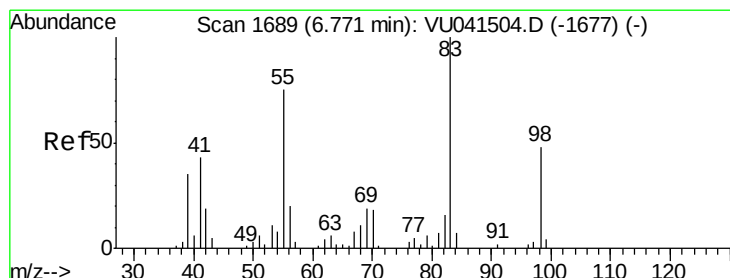
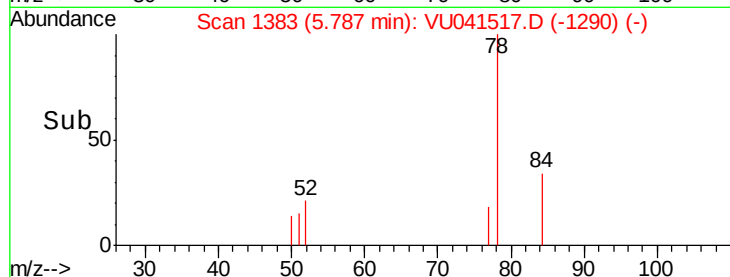
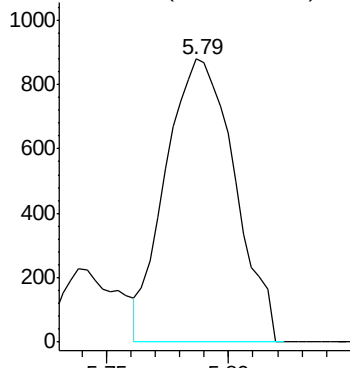
#33
Benzene
Concen: 0.143 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU041517.D
Acq: 09 Dec 2020 16:32

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 78 Resp: 1725

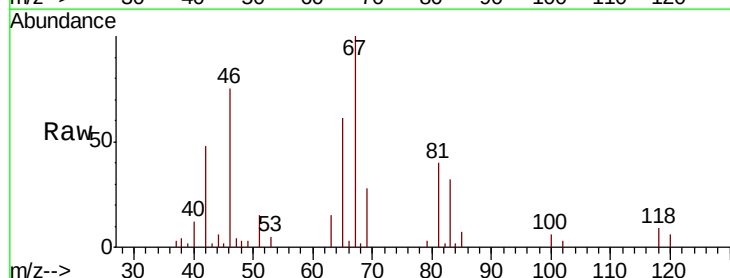


Abundance Ion 78.10 (77.80 to 78.80): VU0



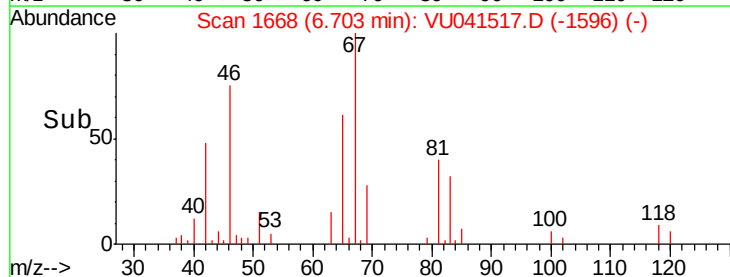
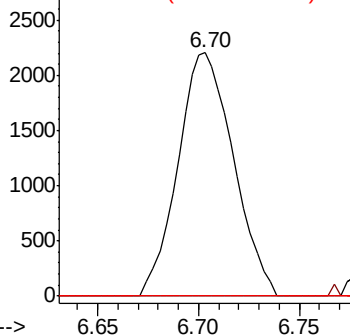
#35
Methylcyclohexane
Concen: 0.851 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041517.D
Acq: 09 Dec 2020 16:32

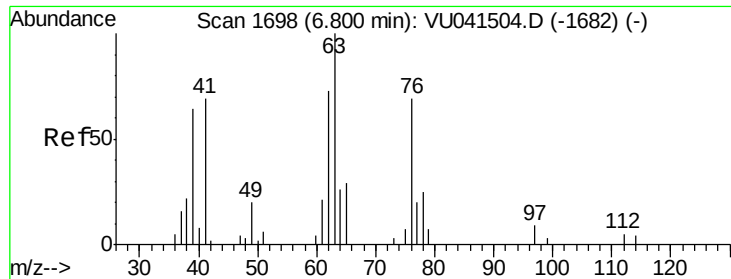
Tgt Ion: 83 Resp: 4230
Ion Ratio Lower Upper
83 100
55 0.5 62.1 93.1#
98 0.0 38.7 58.1#



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

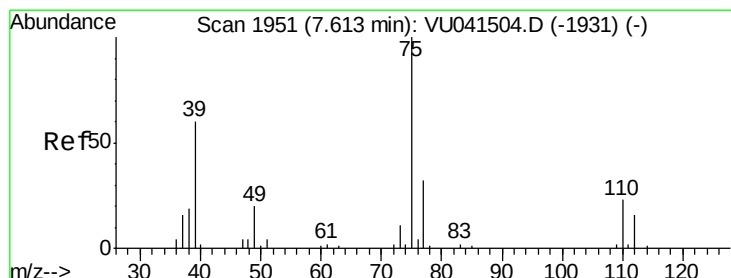
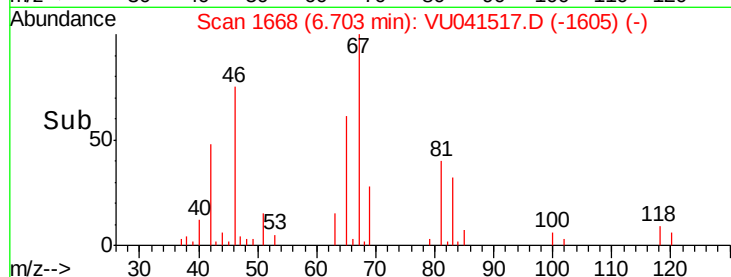
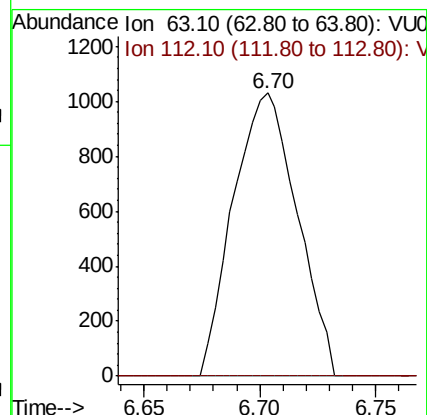
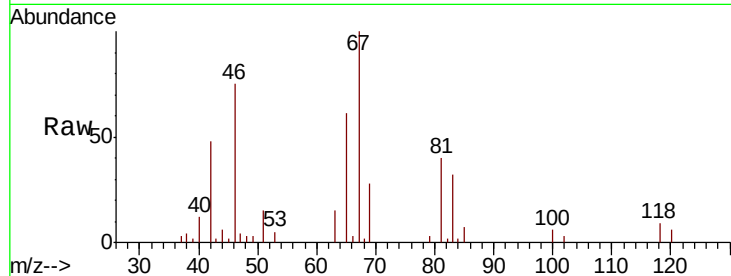




#37
 1,2-Dichloropropane
 Concen: 0.699 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041517.D
 Acq: 09 Dec 2020 16:32

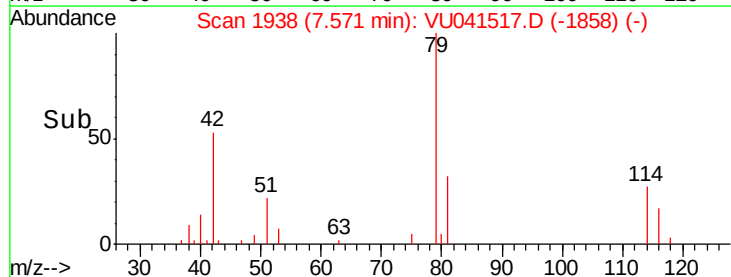
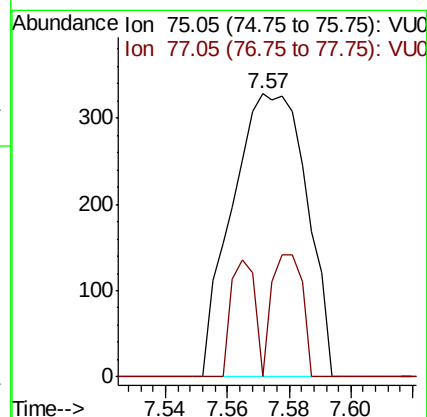
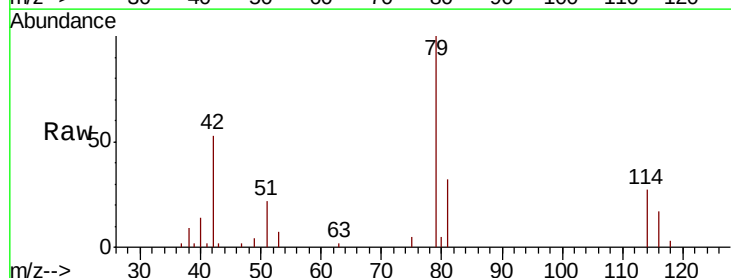
Instrument :
 MSVOA_U
 ClientSampleId :

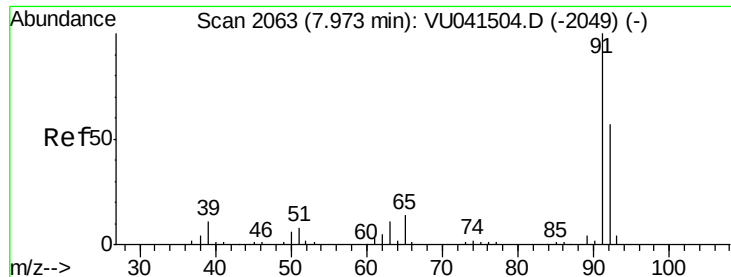
Tot Ion: 63 Resp: 1978
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.2 6.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.107 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041517.D
 Acq: 09 Dec 2020 16:32

Tgt Ion: 75 Resp: 548
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.0 44.6#





#42

Toluene

Concen: 0.398 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041517.D

Acq: 09 Dec 2020 16:32

Instrument :

MSVOA_U

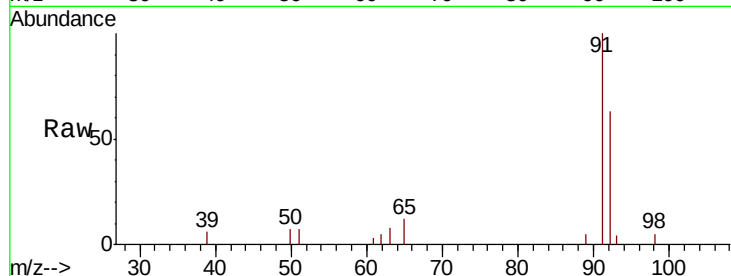
ClientSampleId :

Tot Ion: 91 Resp: 5412

Ion Ratio Lower Upper

91 100

92 63.2 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VU041517.D (-1970) (-)

Ion 92.15 (91.85 to 92.85): VU041517.D (-1970) (-)

7.98

3000

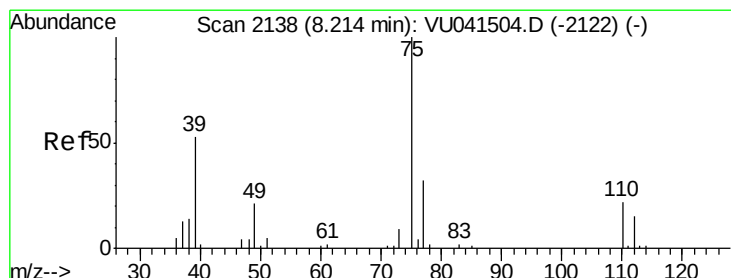
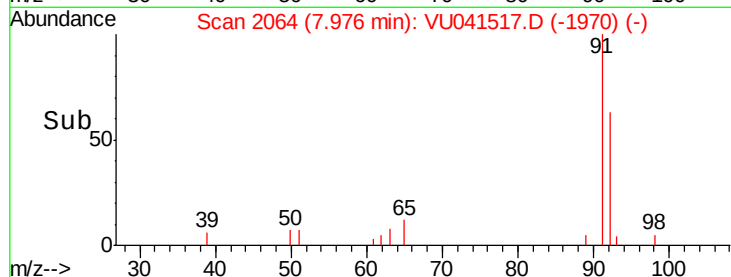
2000

1000

0

7.95 8.00

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.049 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU041517.D

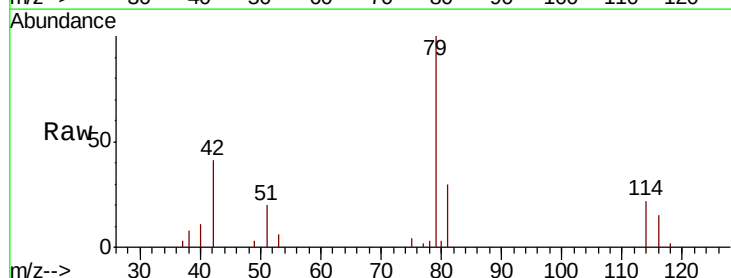
Acq: 09 Dec 2020 16:32

Tgt Ion: 75 Resp: 248

Ion Ratio Lower Upper

75 100

77 54.8 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041517.D (-2045) (-)

Ion 77.05 (76.75 to 77.75): VU041517.D (-2045) (-)

8.19

250

200

150

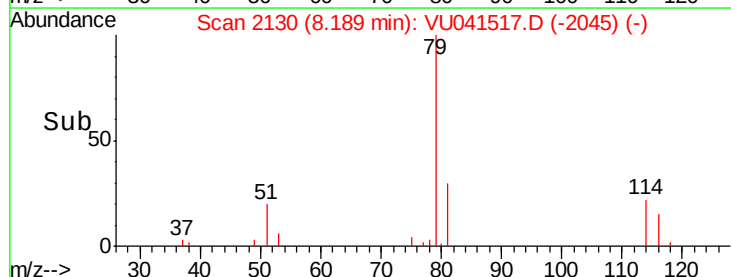
100

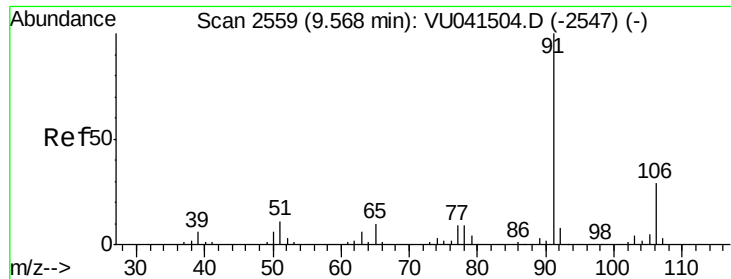
50

0

8.16 8.18 8.20

Time-->





#52

Ethylbenzene

Concen: 0.295 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041517.D

Acq: 09 Dec 2020 16:32

Instrument :

MSVOA_U

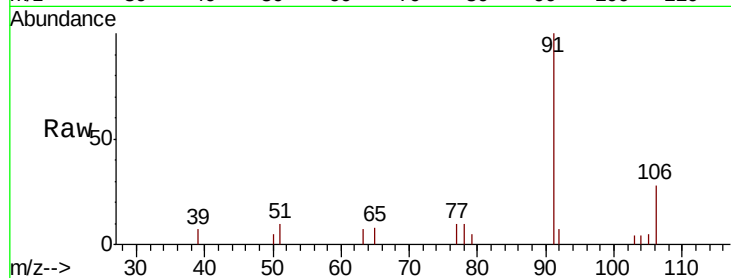
ClientSampled :

Tot Ion: 91 Resp: 4589

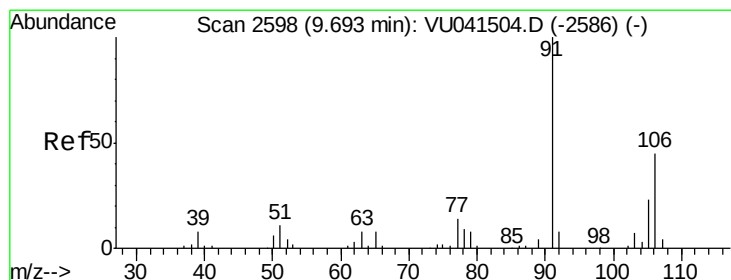
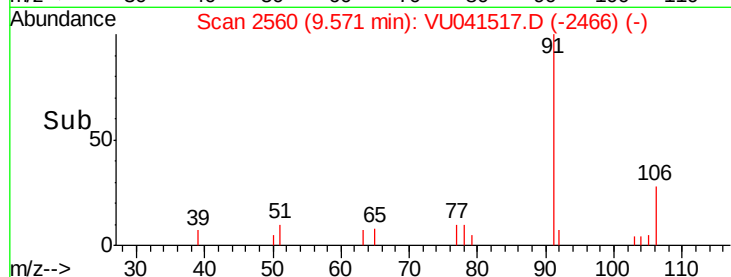
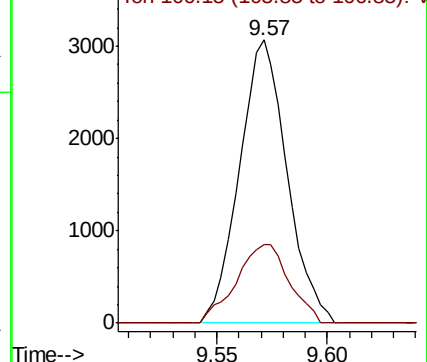
Ion Ratio Lower Upper

91 100

106 27.6 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU041517.D (-2547) (-)



#53

m,p-Xylene

Concen: 0.103 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041517.D

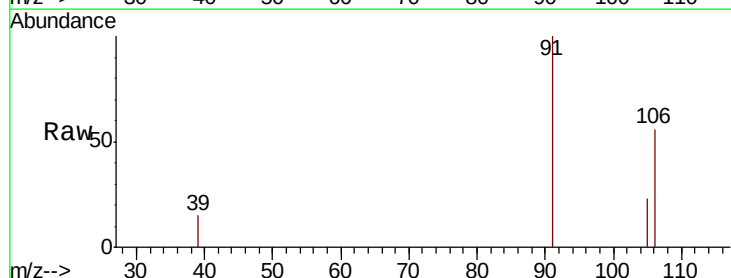
Acq: 09 Dec 2020 16:32

Tgt Ion: 106 Resp: 582

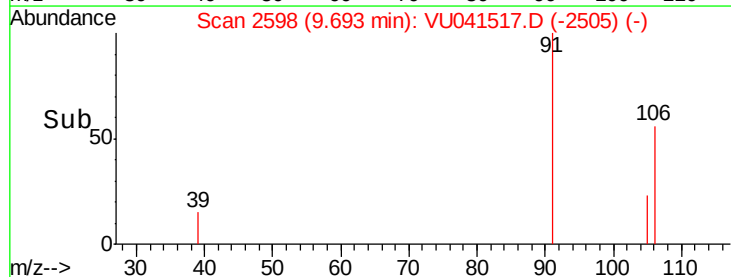
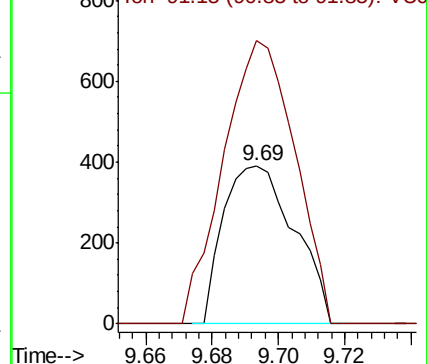
Ion Ratio Lower Upper

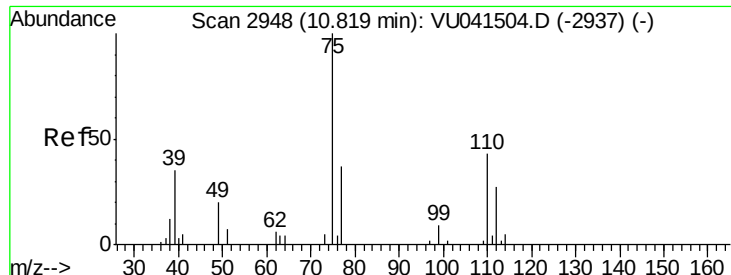
106 100

91 178.6 151.8 282.0



Abundance Ion 106.15 (105.85 to 106.85): VU041517.D (-2598) (-)





#59

1,2,3-Trichloropropane

Concen: 0.733 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041517.D

Acq: 09 Dec 2020 16:32

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 2013

Ion Ratio Lower Upper

75 100

77 47.7 26.3 39.5#

