

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120920\
 Data File : VU041516.D
 Acq On : 09 Dec 2020 16:09
 Operator : SY/MD
 Sample : L4979-21
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 10 04:47:40 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	43718	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	49284	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	23749	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	8426	3.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.00%
7) Chloroethane-d5	1.92	69	9441	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.58	63	17104	3.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.80%
20) 2-Butanone-d5	4.65	46	37274	44.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.54%
24) Chloroform-d	5.08	84	27784	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	5.72	65	20655	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.74	84	41317	3.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.20%
36) 1,2-Dichloropropane-d6	6.70	67	11269	3.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	70.20%
41) Toluene-d8	7.91	98	38057	3.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.80%
43) trans-1,3-Dichloropropene-	8.19	79	7411	3.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.80%
46) 2-Hexanone-d5	8.64	63	28231	35.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	71.32%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	14152	4.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	19271	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	118	0.047	ug/L #	41
8) Chloroethane	1.94	64	206	0.106	ug/L #	45
13) Acetone	2.67	43	11941	18.216	ug/L	97
21) 2-Butanone	4.74	43	1187	1.447	ug/L	89
27) 1,2-Dichloroethane	5.75	62	263	0.055	ug/L #	79
35) Methylcyclohexane	6.70	83	3547	0.706	ug/L #	17
37) 1,2-Dichloropropane	6.70	63	1829	0.640	ug/L #	84
39) cis-1,3-Dichloropropene	7.57	75	623	0.121	ug/L	97
42) Toluene	7.98	91	1320	0.096	ug/L	96
44) trans-1,3-Dichloropropene	8.19	75	398	0.077	ug/L #	42
48) 2-Hexanone	8.69	43	1159	0.630	ug/L #	78
53) m,p-Xylene	9.69	106	269	0.047	ug/L	90
59) 1,2,3-Trichloropropane	11.81	75	2226	0.803	ug/L #	85
67) 1,3,5-Trichlorobenzene	13.21	180	313	0.059	ug/L #	72
68) 1,2,4-trichlorobenzene	13.83	180	477	0.111	ug/L #	60
69) Naphthalene	14.08	128	1336	0.199	ug/L #	73
70) 1,2,3-Trichlorobenzene	14.32	180	561	0.148	ug/L #	90

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

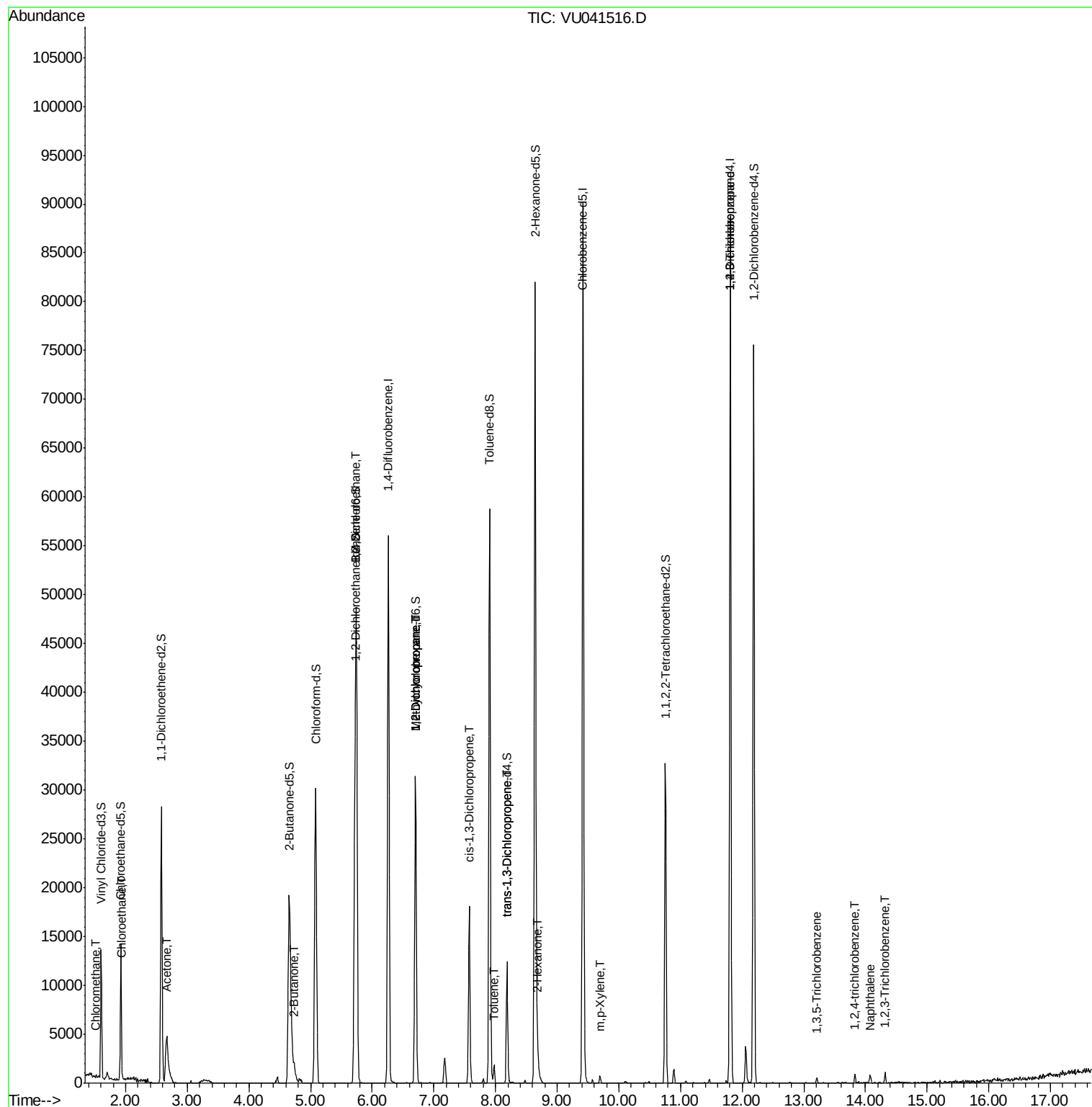
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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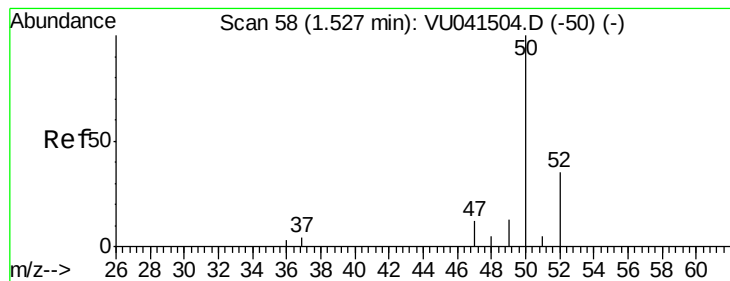
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.047 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041516.D

Acq: 09 Dec 2020 16:09

Instrument :

MSVOA_U

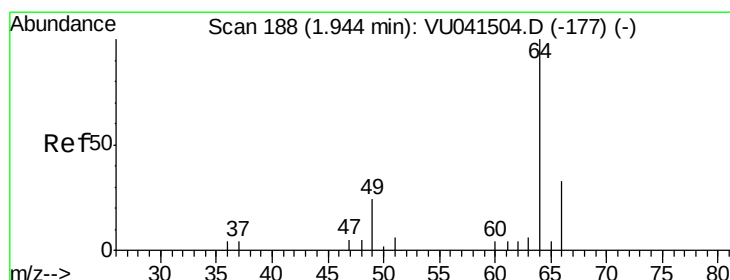
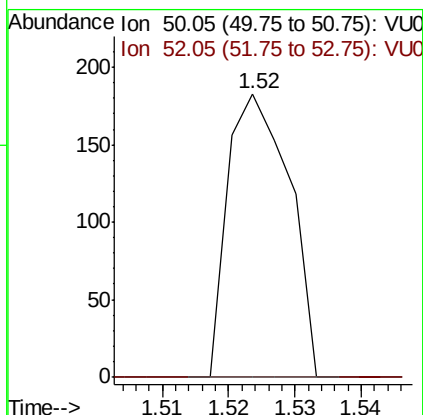
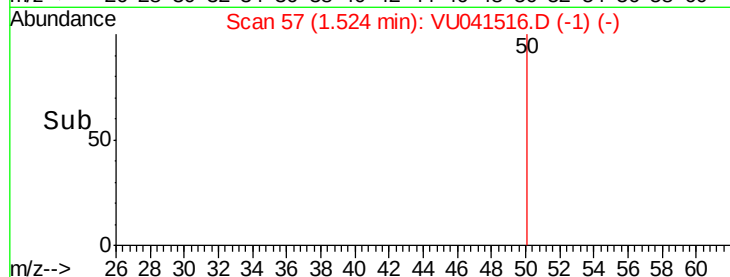
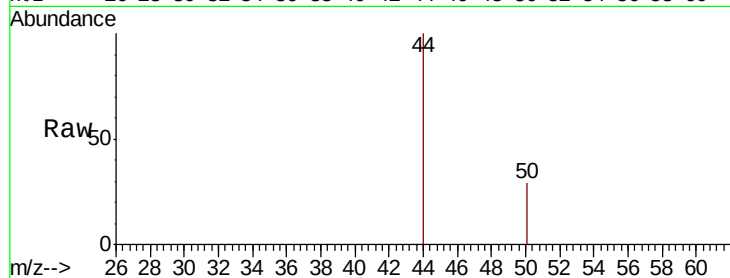
ClientSampleId :

Tot Ion: 50 Resp: 118

Ion Ratio Lower Upper

50 100

52 0.0 23.3 43.3#



#8

Chloroethane

Concen: 0.106 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU041516.D

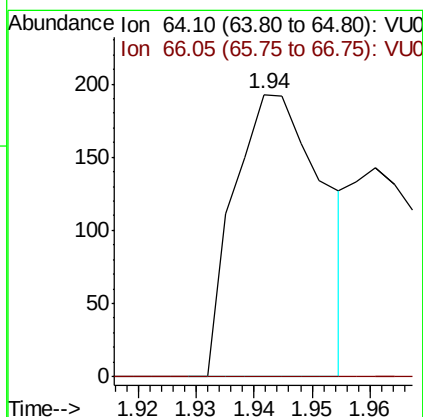
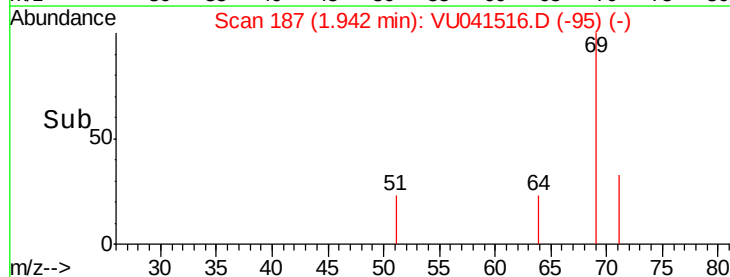
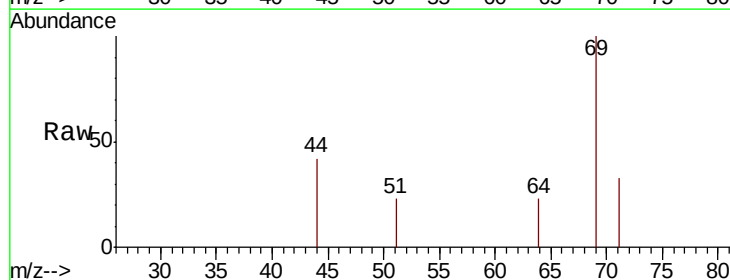
Acq: 09 Dec 2020 16:09

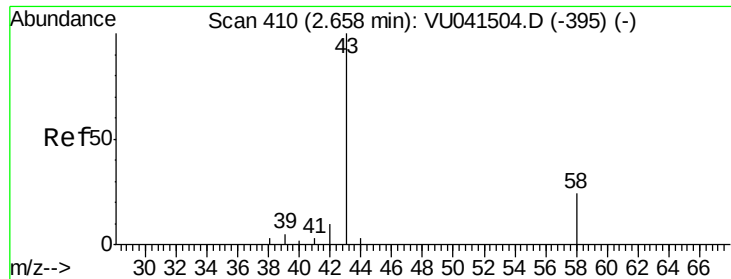
Tgt Ion: 64 Resp: 206

Ion Ratio Lower Upper

64 100

66 0.0 20.9 38.9#





#13

Acetone

Concen: 18.216 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU041516.D

Acq: 09 Dec 2020 16:09

Instrument :

MSVOA_U

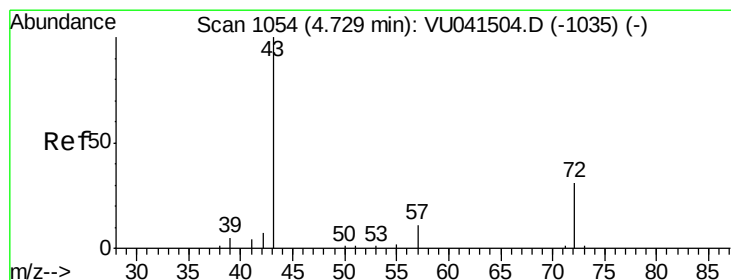
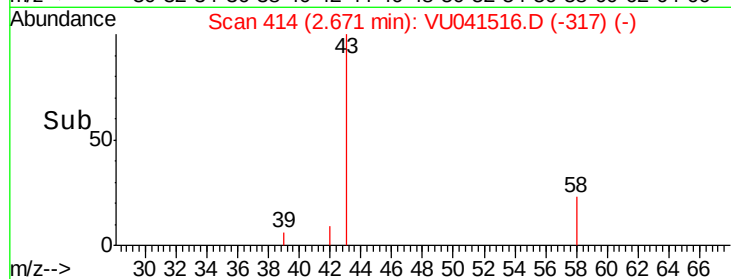
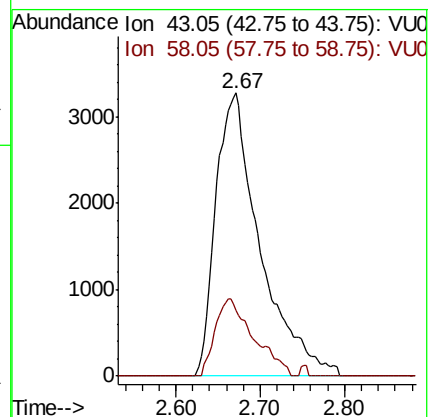
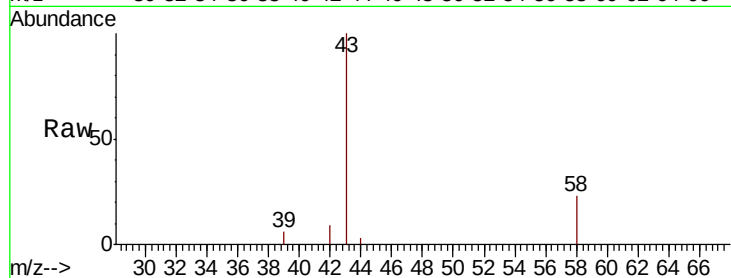
ClientSampled :

Tot Ion: 43 Resp: 11941

Ion Ratio Lower Upper

43 100

58 23.7 0.0 50.0



#21

2-Butanone

Concen: 1.447 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VU041516.D

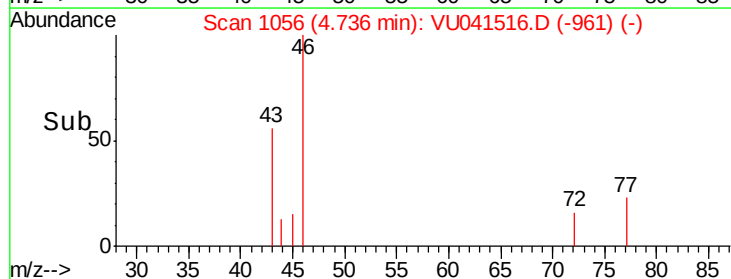
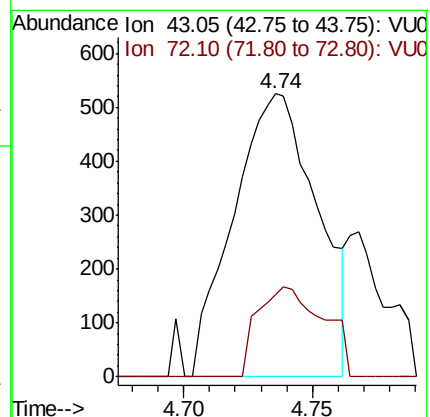
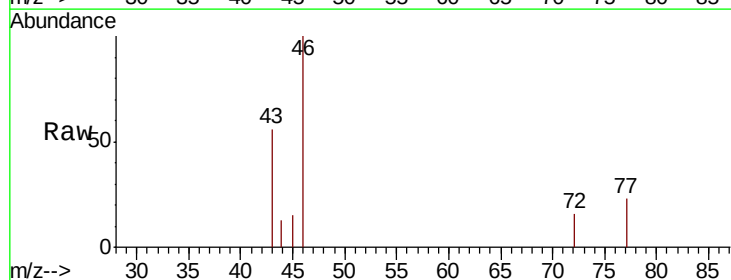
Acq: 09 Dec 2020 16:09

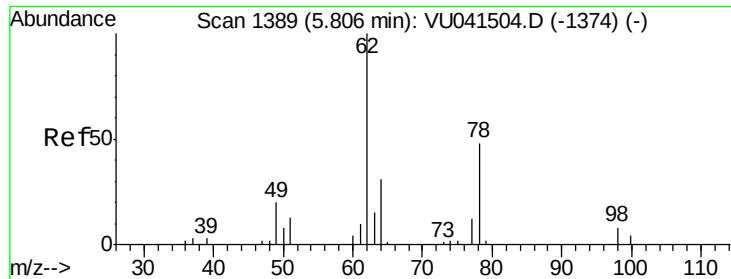
Tgt Ion: 43 Resp: 1187

Ion Ratio Lower Upper

43 100

72 25.1 15.7 47.1





#27

1,2-Dichloroethane

Concen: 0.055 ug/L

RT: 5.75 min Scan# 1370

Delta R.T. -0.06 min

Lab File: VU041516.D

Acq: 09 Dec 2020 16:09

Instrument :

MSVOA_U

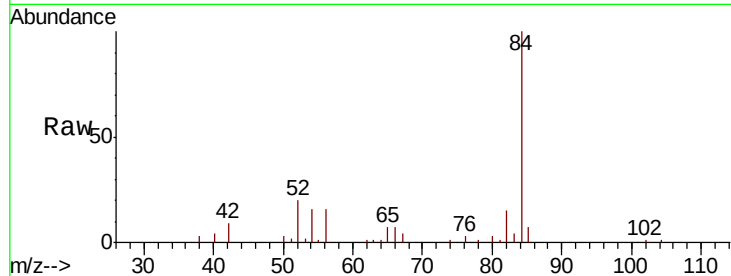
ClientSampleId :

Tot Ion: 62 Resp: 263

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

250

200

150

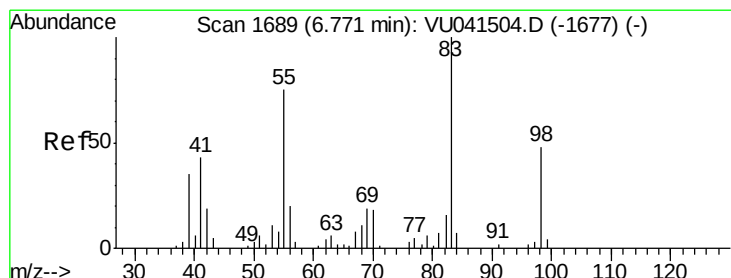
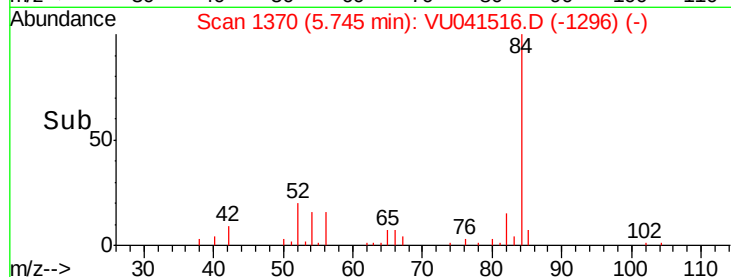
100

50

0

5.72 5.74 5.76

Time-->



#35

Methylcyclohexane

Concen: 0.706 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041516.D

Acq: 09 Dec 2020 16:09

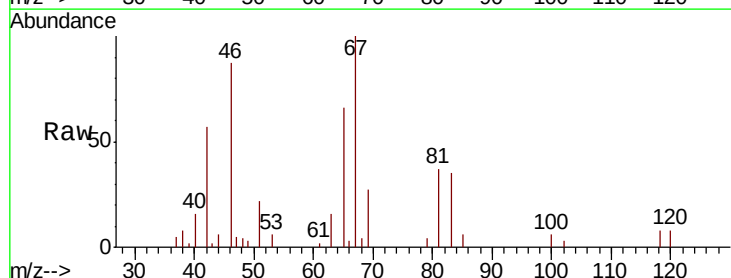
Tgt Ion: 83 Resp: 3547

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

2500

2000

1500

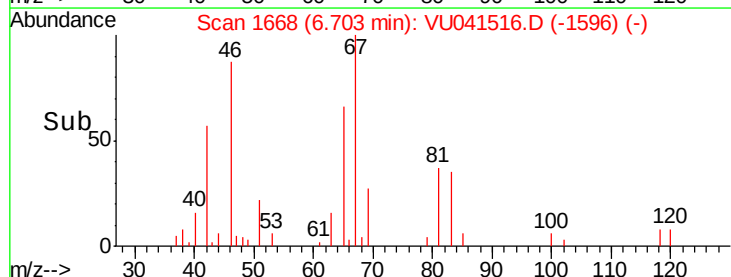
1000

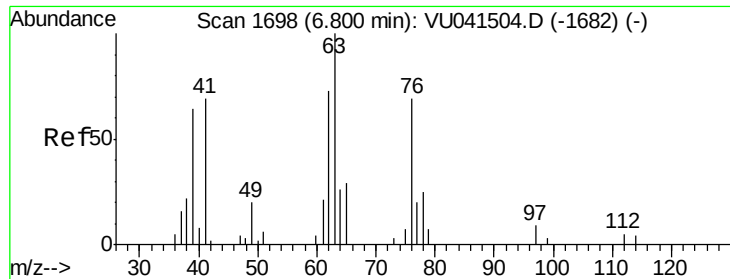
500

0

6.65 6.70 6.75

Time-->

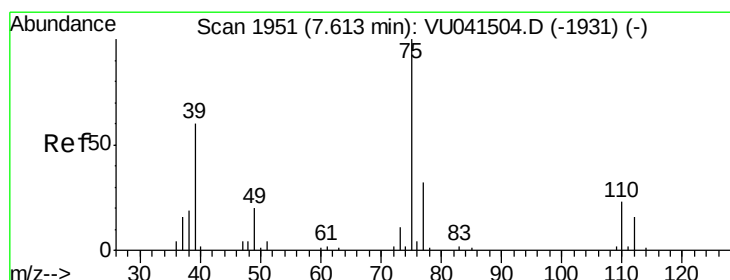
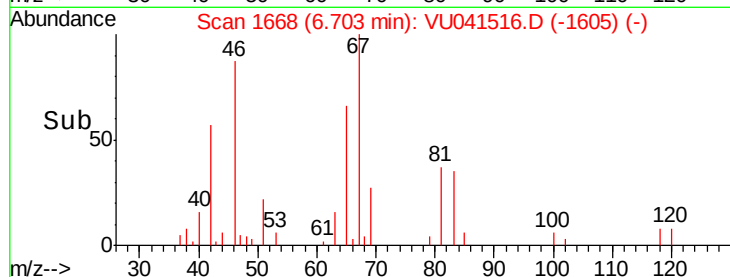
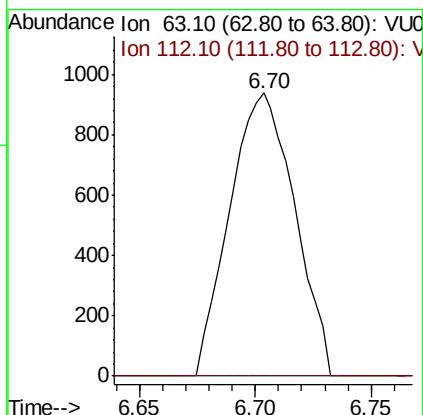
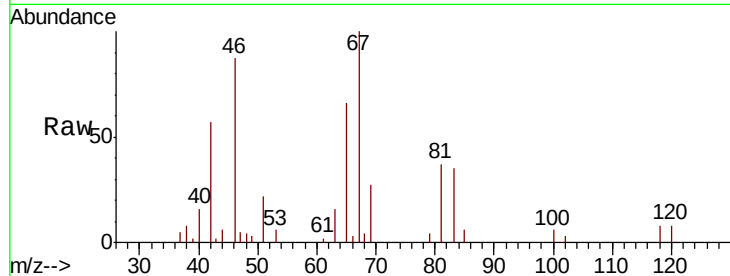




#37
 1,2-Dichloropropane
 Concen: 0.640 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041516.D
 Acq: 09 Dec 2020 16:09

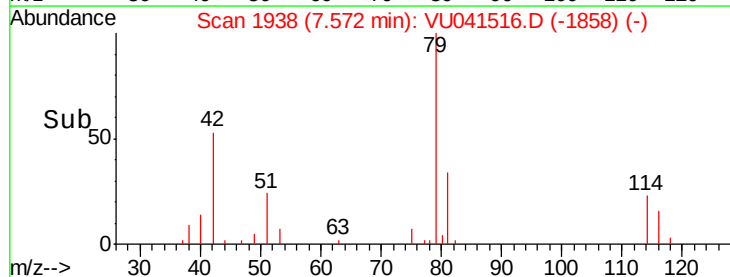
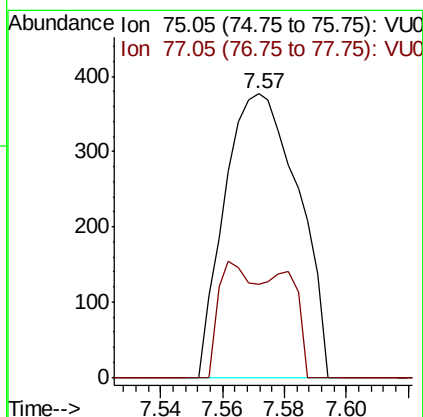
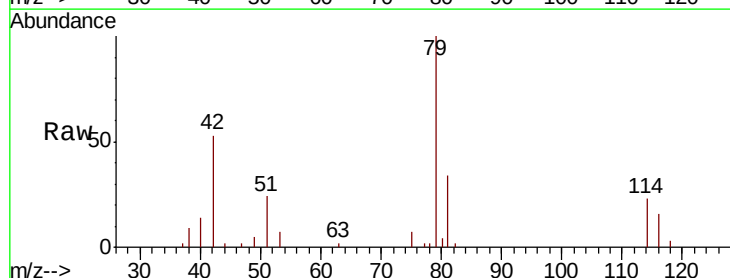
Instrument :
 MSVOA_U
 ClientSampleId :

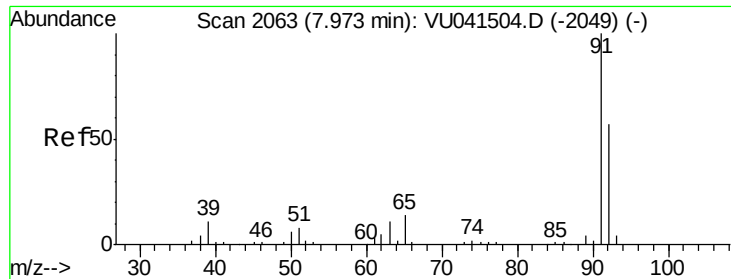
Tot Ion: 63 Resp: 1829
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.2 6.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.121 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041516.D
 Acq: 09 Dec 2020 16:09

Tgt Ion: 75 Resp: 623
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.0 44.6





#42

Toluene

Concen: 0.096 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041516.D

Acq: 09 Dec 2020 16:09

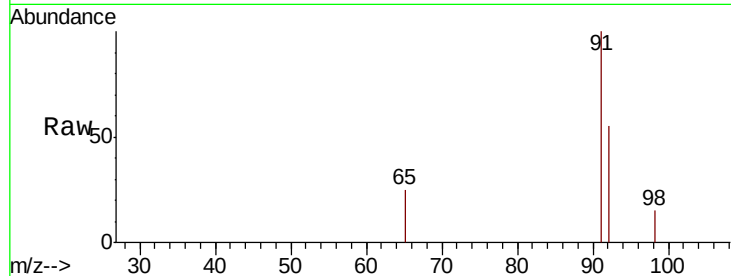
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 1320

Ion Ratio Lower Upper

91 100

92 55.0 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

800

600

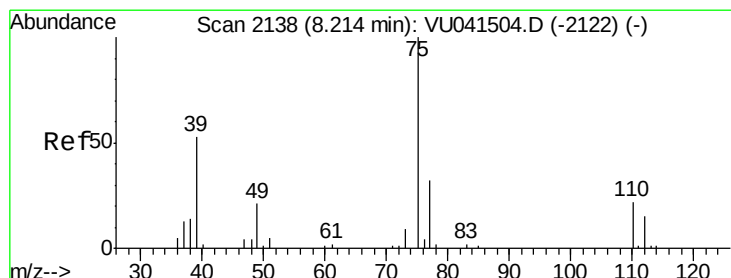
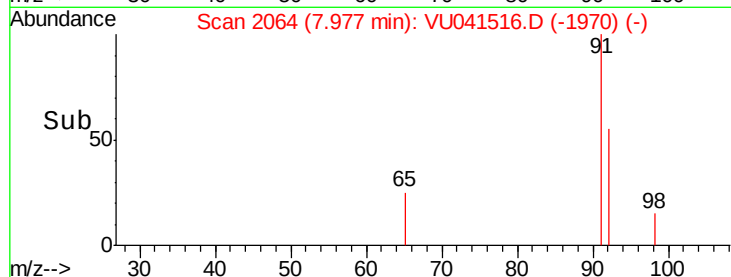
400

200

0

7.94 7.96 7.98 8.00 8.02

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.077 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU041516.D

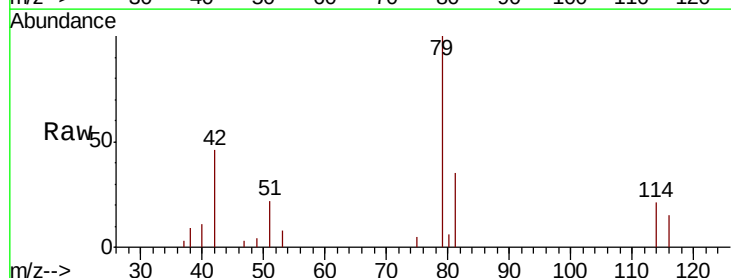
Acq: 09 Dec 2020 16:09

Tgt Ion: 75 Resp: 398

Ion Ratio Lower Upper

75 100

77 0.0 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.19

200

150

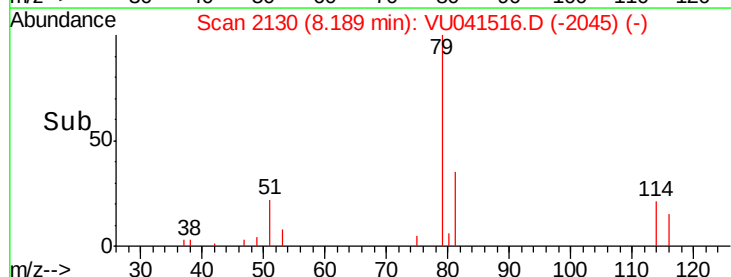
100

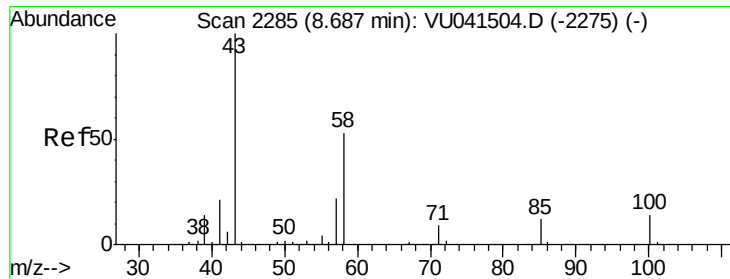
50

0

8.14 8.16 8.18 8.20 8.22

Time-->





#48

2-Hexanone

Concen: 0.630 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU041516.D

Acq: 09 Dec 2020 16:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 1159

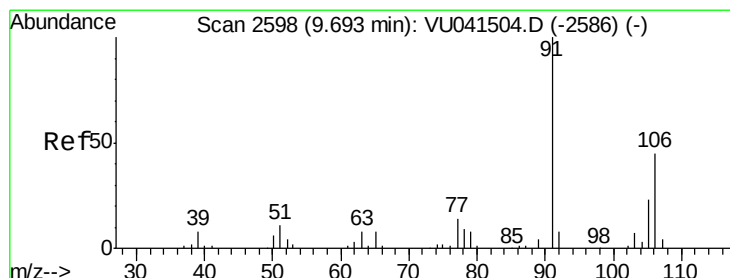
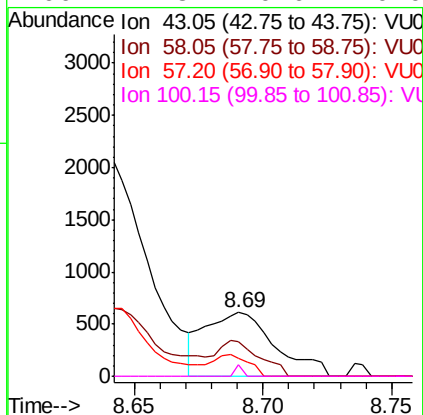
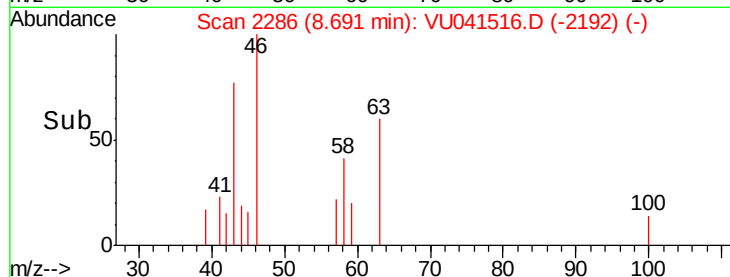
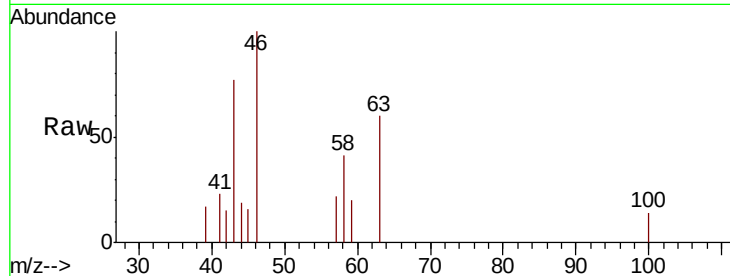
Ion Ratio Lower Upper

43 100

58 33.4 41.4 62.0#

57 18.0 17.1 25.7

100 1.8 10.6 16.0#



#53

m,p-Xylene

Concen: 0.047 ug/L

RT: 9.69 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VU041516.D

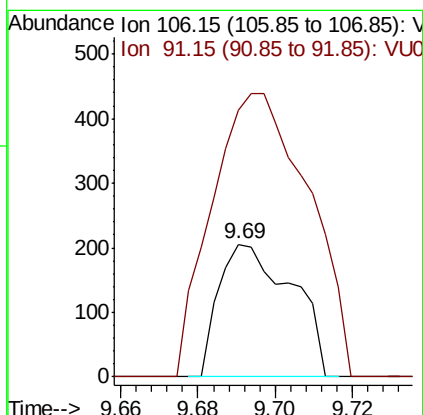
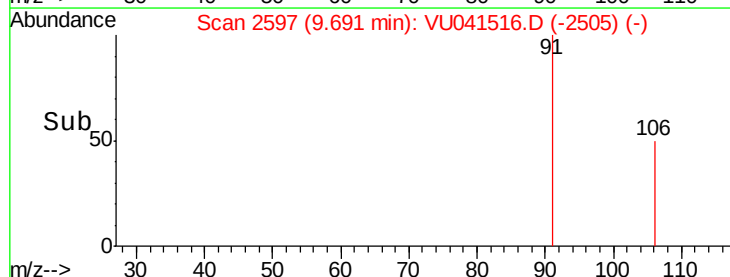
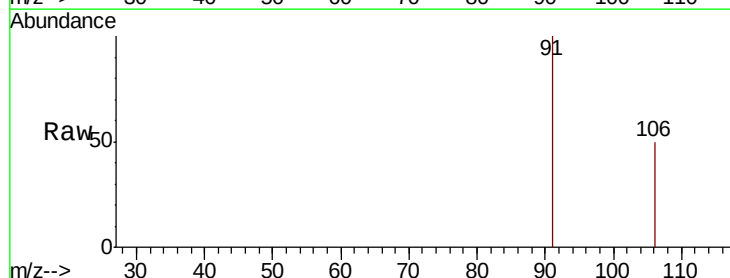
Acq: 09 Dec 2020 16:09

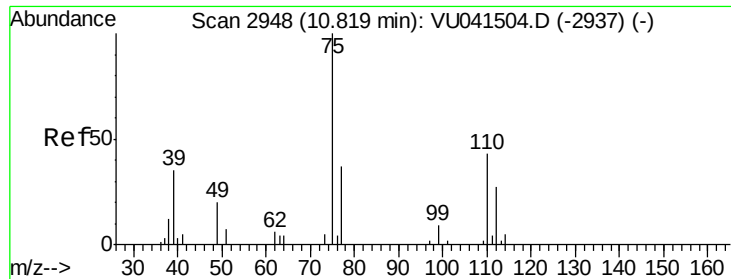
Tgt Ion: 106 Resp: 269

Ion Ratio Lower Upper

106 100

91 200.5 151.8 282.0





#59

1,2,3-Trichloropropane

Concen: 0.803 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041516.D

Acq: 09 Dec 2020 16:09

Instrument :

MSVOA_U

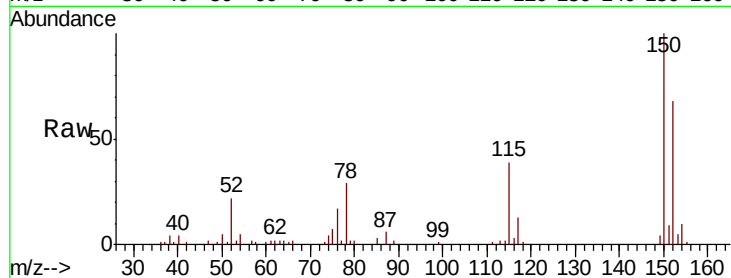
ClientSampled :

Tot Ion: 75 Resp: 2226

Ion Ratio Lower Upper

75 100

77 41.5 26.3 39.5#



Abundance Ion 75.00 (74.70 to 75.70): VU041504.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041504.D (-2937) (-)

11.81

1500

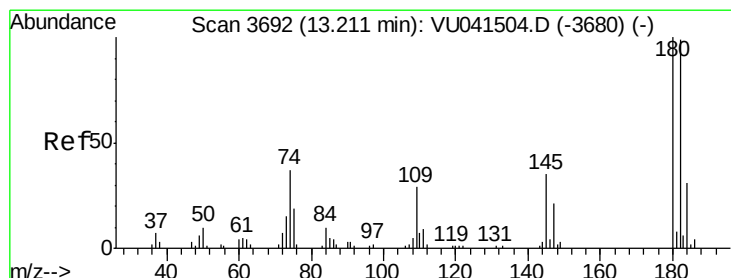
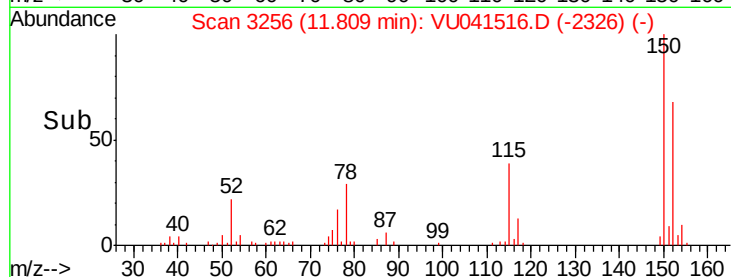
1000

500

0

11.75 11.80 11.85

Time-->



#67

1,3,5-Trichlorobenzene

Concen: 0.059 ug/L

RT: 13.21 min Scan# 3692

Delta R.T. 0.00 min

Lab File: VU041516.D

Acq: 09 Dec 2020 16:09

Tgt Ion: 180 Resp: 313

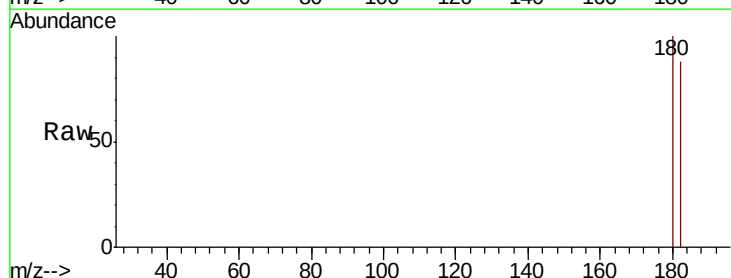
Ion Ratio Lower Upper

180 100

182 104.8 76.3 114.5

184 0.0 23.8 35.6#

145 0.0 25.1 37.7#



Abundance Ion 180.00 (179.70 to 180.70): VU041504.D (-3680) (-)

Ion 182.00 (181.70 to 182.70): VU041504.D (-3680) (-)

Ion 184.00 (183.70 to 184.70): VU041504.D (-3680) (-)

Ion 145.00 (144.70 to 145.70): VU041504.D (-3680) (-)

13.21

400

300

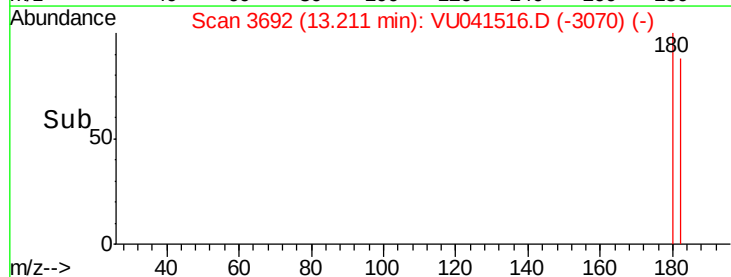
200

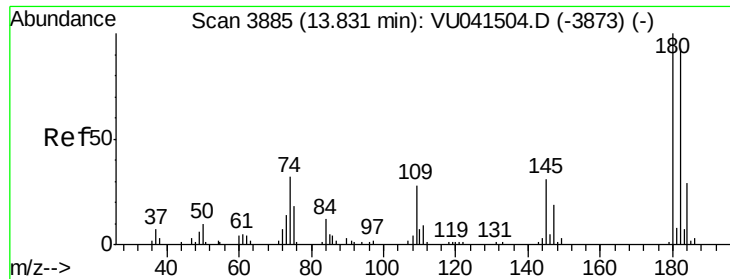
100

0

13.18 13.20 13.22

Time-->

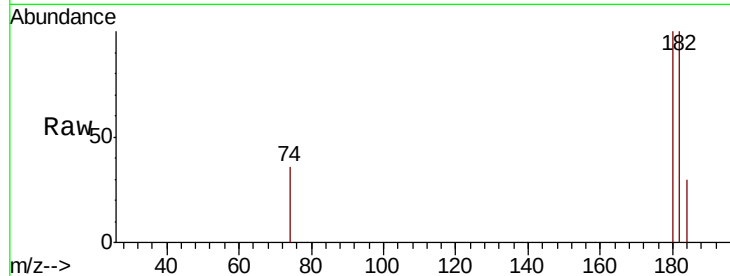




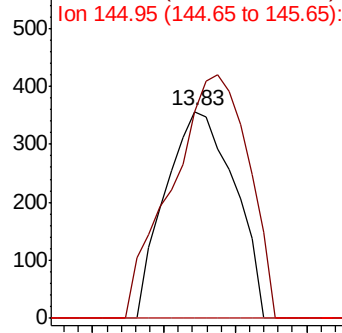
#68
 1,2,4-trichlorobenzene
 Concen: 0.111 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041516.D
 Acq: 09 Dec 2020 16:09

Instrument :
 MSVOA_U
 ClientSampleId :

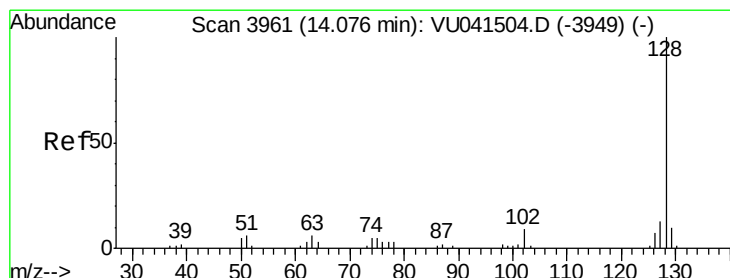
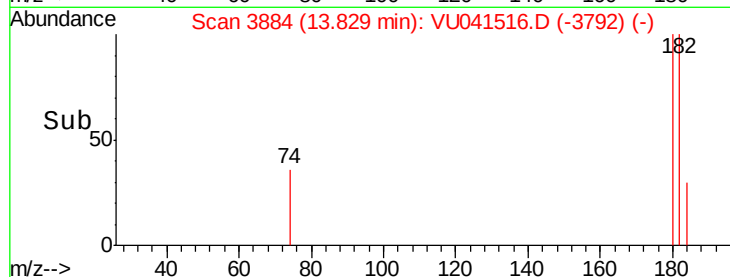
Tot Ion:180 Resp: 477
 Ion Ratio Lower Upper
 180 100
 182 130.8 77.8 116.8#
 145 0.0 26.4 39.6#



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

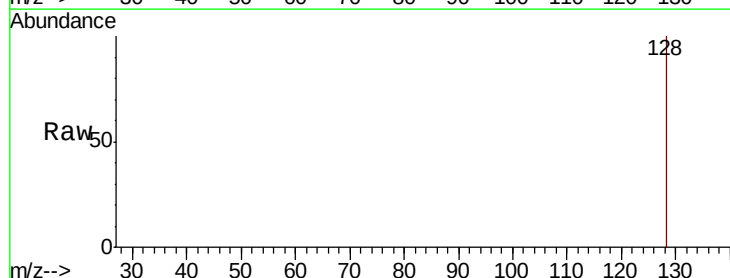


Time--> 13.80 13.82 13.84 13.86

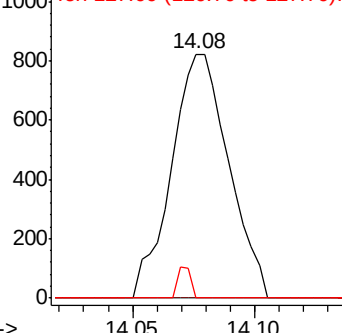


#69
 Naphthalene
 Concen: 0.199 ug/L
 RT: 14.08 min Scan# 3961
 Delta R.T. 0.00 min
 Lab File: VU041516.D
 Acq: 09 Dec 2020 16:09

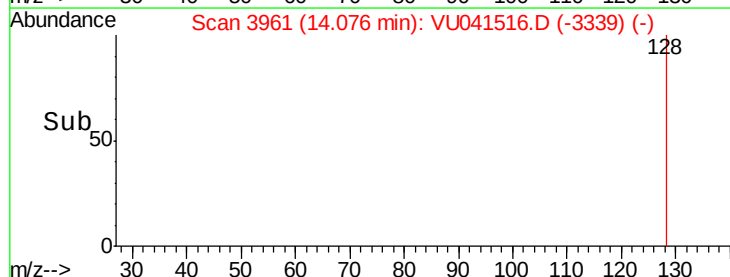
Tgt Ion:128 Resp: 1336
 Ion Ratio Lower Upper
 128 100
 129 0.0 8.6 12.8#
 127 3.0 10.9 16.3#

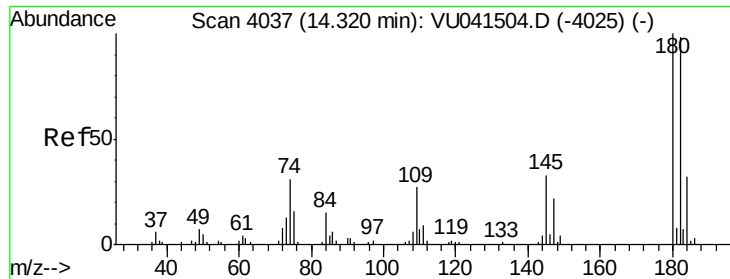


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V



Time--> 14.05 14.10





#70

1,2,3-Trichlorobenzene

Concen: 0.148 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU041516.D

Acq: 09 Dec 2020 16:09

Instrument :

MSVOA_U

ClientSampleId :

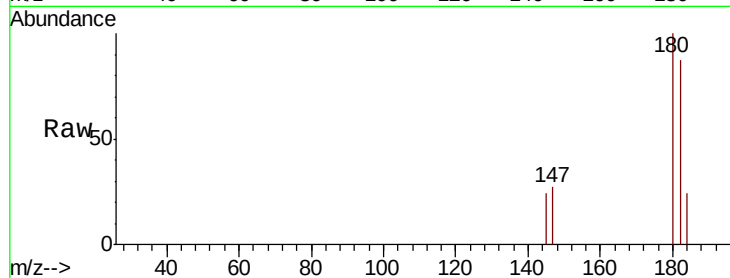
Tot Ion:180 Resp: 561

Ion Ratio Lower Upper

180 100

182 97.1 79.1 118.7

145 14.8 27.8 41.8#



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

