

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091620\
 Data File : VU040153.D
 Acq On : 16 Sep 2020 17:13
 Operator : SY/MD
 Sample : L4041-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AB5

Quant Time: Sep 17 01:12:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 17 01:09:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	104172	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	107685	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	45430	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	28857	5.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.40%
7) Chloroethane-d5	1.93	69	25868	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.20%
11) 1,1-Dichloroethene-d2	2.58	63	47679	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	4.66	46	109454	48.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.22%
24) Chloroform-d	5.08	84	58492	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
26) 1,2-Dichloroethane-d4	5.72	65	39519	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.74	84	113576	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.70	67	37342	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.00%
41) Toluene-d8	7.91	98	86970	3.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.60%
43) trans-1,3-Dichloropropene-	8.19	79	14894	3.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.20%
46) 2-Hexanone-d5	8.64	63	78000	43.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.52%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	32945	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	36230	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	1010	0.102	ug/L	86
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	616	0.066	ug/L #	22
12) 1,1-Dichloroethene	2.59	96	1837	0.228	ug/L #	1
13) Acetone	2.66	43	6169	2.929	ug/L	94
14) Carbon disulfide	2.81	76	11387	0.441	ug/L	99
15) Methyl Acetate	2.98	43	709	0.134	ug/L #	54
22) cis-1,2-Dichloroethene	4.68	96	967	0.104	ug/L	97
25) Chloroform	5.11	83	15275	0.836	ug/L	100
34) Trichloroethene	6.56	95	960	0.093	ug/L	95
35) Methylcyclohexane	6.70	83	9610	0.607	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	4713	0.452	ug/L #	88
39) cis-1,3-Dichloropropene	7.58	75	1090	0.071	ug/L #	77
42) Toluene	7.98	91	1743	0.044	ug/L	99
44) trans-1,3-Dichloropropene	8.18	75	832	0.058	ug/L #	73
59) 1,2,3-Trichloropropane	11.81	75	6627	0.858	ug/L	92

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QLast Update : Thu Sep 17 01:09:36 2020
Response via : Initial Calibration

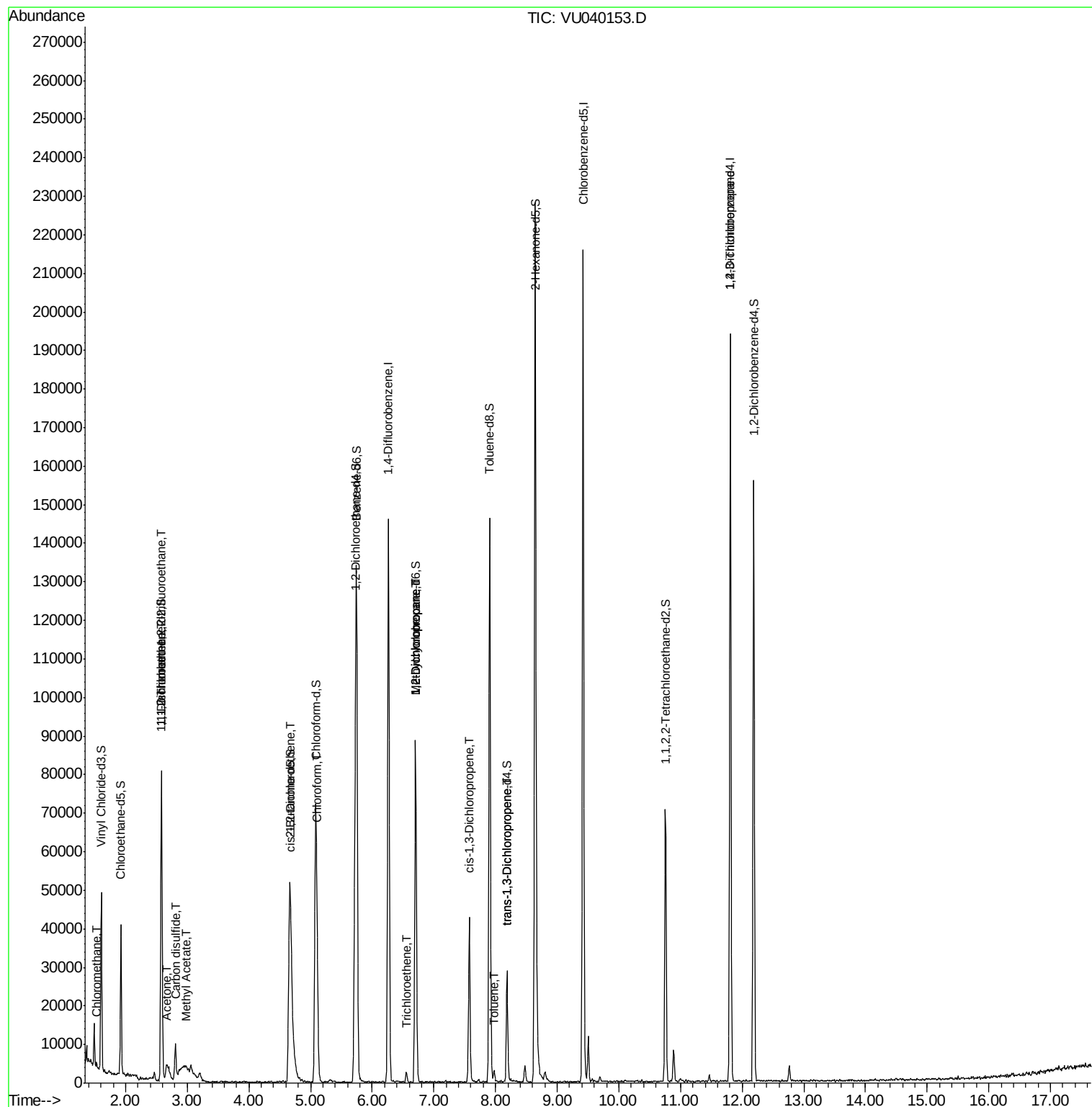
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

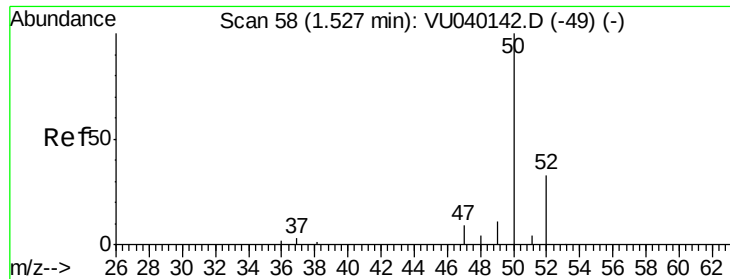
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#3

Chloromethane

Concen: 0.102 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040153.D

Acq: 16 Sep 2020 17:13

Instrument :

MSVOA_U

ClientSampleId :

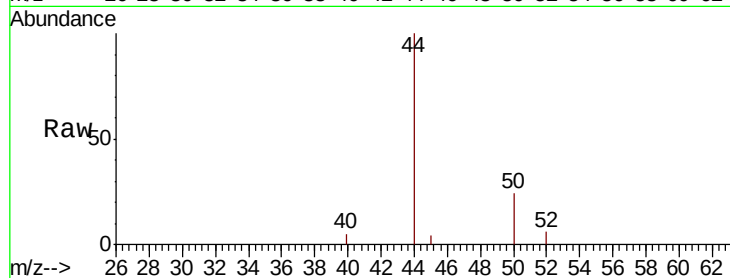
C0AB5

Tot Ion: 50 Resp: 1010

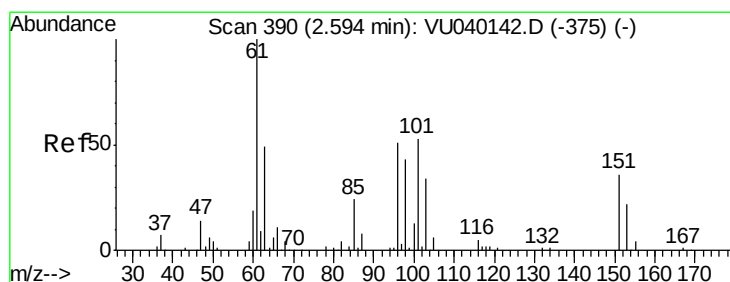
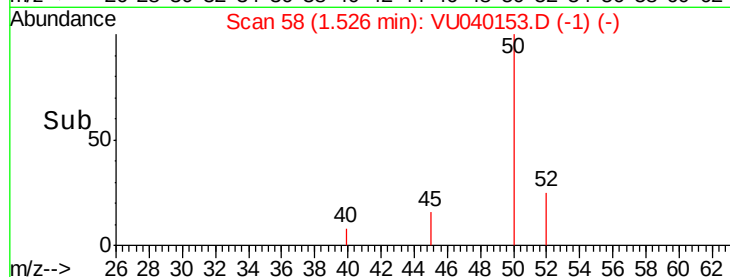
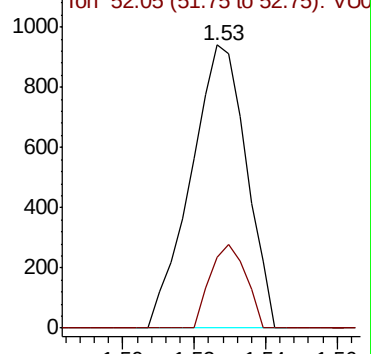
Ion Ratio Lower Upper

50 100

52 24.9 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU040153.D (-1) (-)



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.066 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040153.D

Acq: 16 Sep 2020 17:13

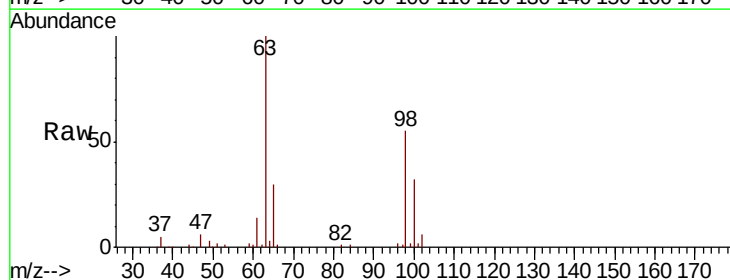
Tgt Ion: 101 Resp: 616

Ion Ratio Lower Upper

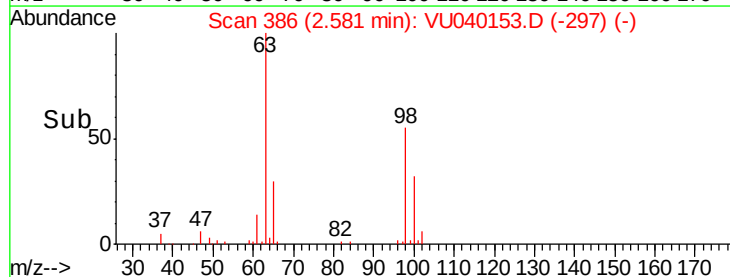
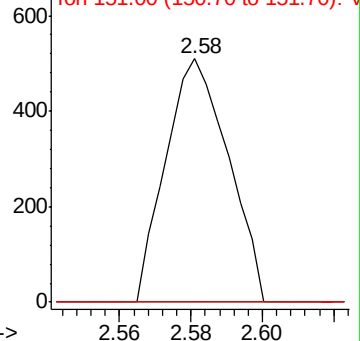
101 100

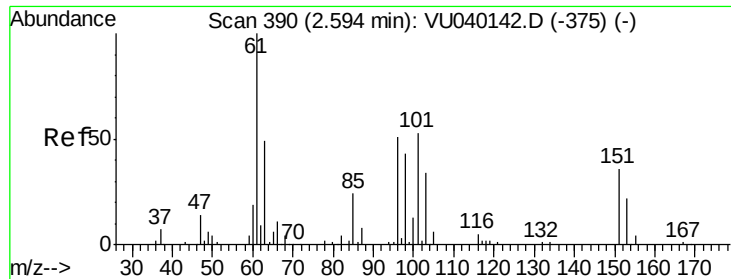
85 0.0 37.7 56.5#

151 0.0 53.9 80.9#



Abundance Ion 101.00 (100.70 to 101.70): VU040153.D (-297) (-)

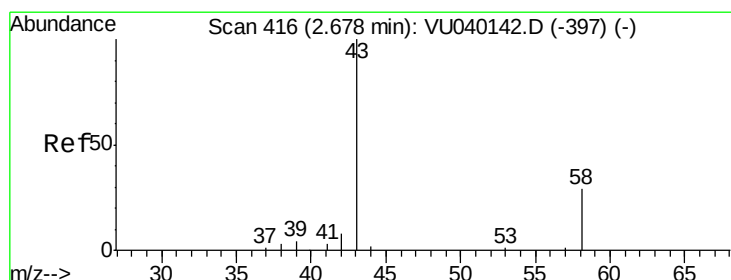
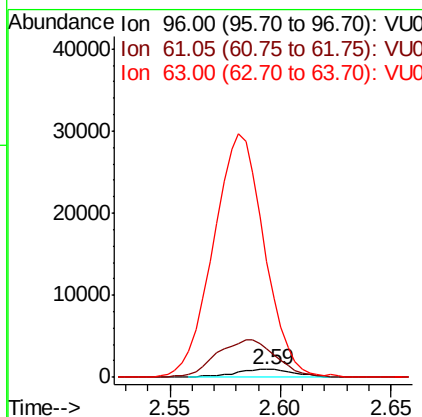
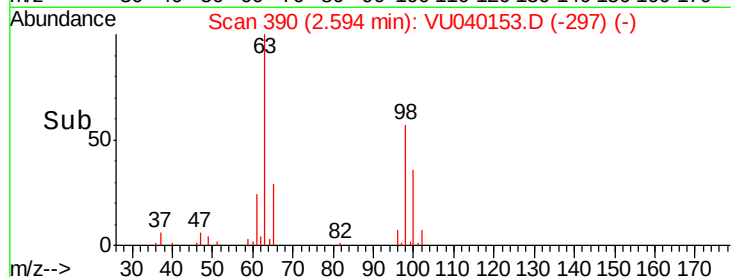
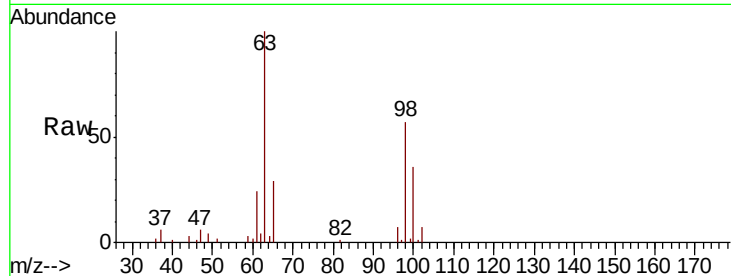




#12
 1,1-Dichloroethene
 Concen: 0.228 ug/L
 RT: 2.59 min Scan# 390
 Delta R.T. -0.00 min
 Lab File: VU040153.D
 Acq: 16 Sep 2020 17:13

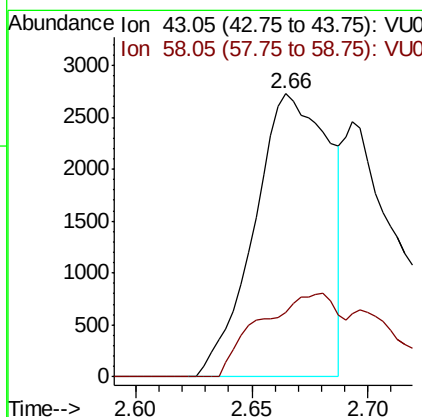
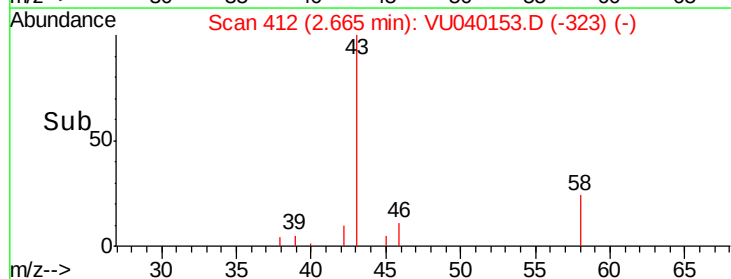
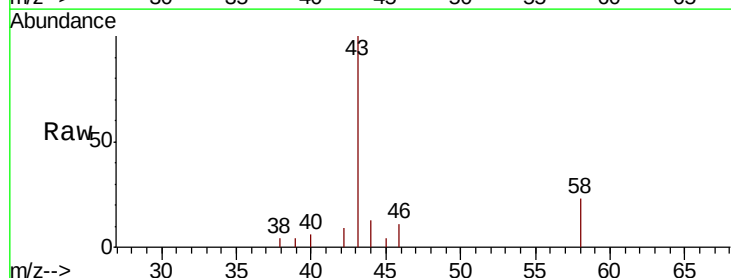
Instrument :
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 ClientSampleId :
 C0AB5

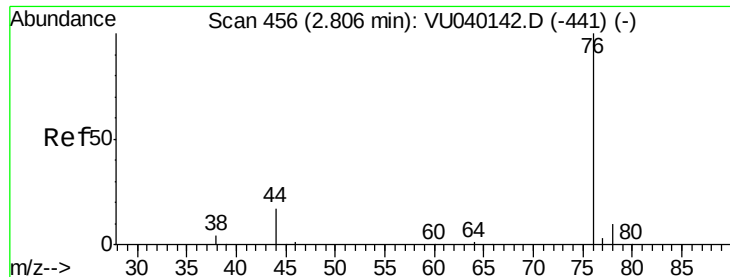
Tot Ion: 96 Resp: 1837
 Ion Ratio Lower Upper
 96 100
 61 348.8 138.3 256.8#
 63 1441.0 77.6 144.2#



#13
 Acetone
 Concen: 2.929 ug/L
 RT: 2.66 min Scan# 412
 Delta R.T. -0.01 min
 Lab File: VU040153.D
 Acq: 16 Sep 2020 17:13

Tgt Ion: 43 Resp: 6169
 Ion Ratio Lower Upper
 43 100
 58 30.9 0.0 55.4





#14

Carbon disulfide

Concen: 0.441 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040153.D

Acq: 16 Sep 2020 17:13

Instrument :

MSVOA_U

ClientSampleId :

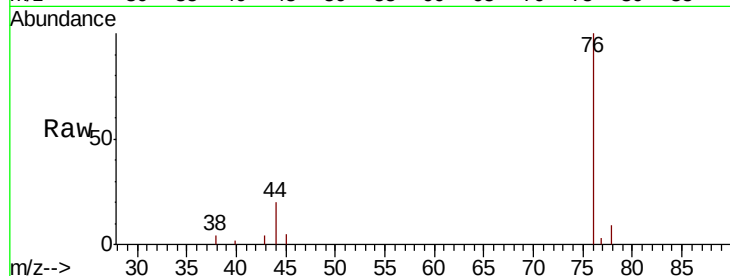
C0AB5

Tot Ion: 76 Resp: 11387

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU040142.D (-441) (-)

Ion 78.00 (77.70 to 78.70): VU040142.D (-441) (-)

2.81

8000

6000

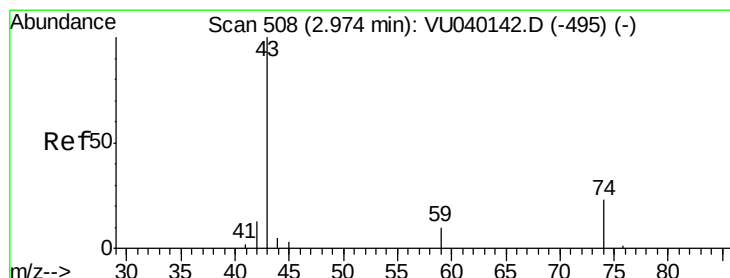
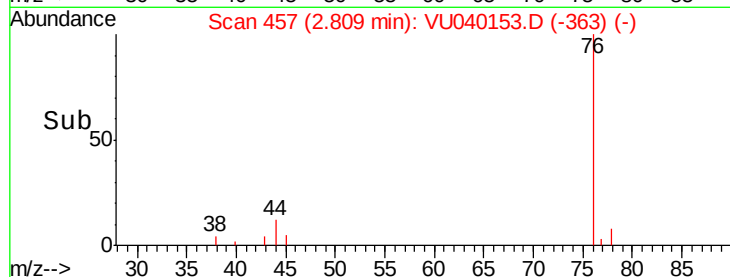
4000

2000

0

Time-->

2.75 2.80 2.85



#15

Methyl Acetate

Concen: 0.134 ug/L

RT: 2.98 min Scan# 509

Delta R.T. 0.00 min

Lab File: VU040153.D

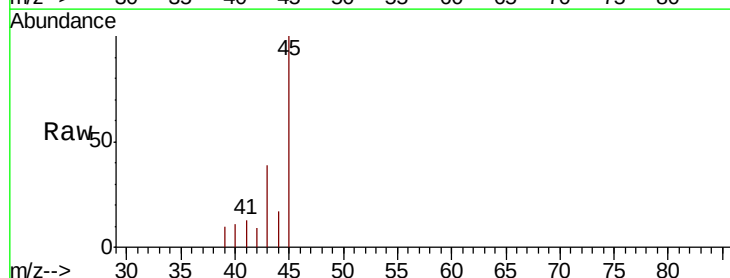
Acq: 16 Sep 2020 17:13

Tgt Ion: 43 Resp: 709

Ion Ratio Lower Upper

43 100

74 0.0 17.4 26.0#



Abundance Ion 43.05 (42.75 to 43.75): VU040142.D (-495) (-)

Ion 74.05 (73.75 to 74.75): VU040142.D (-495) (-)

2.98

1000

800

600

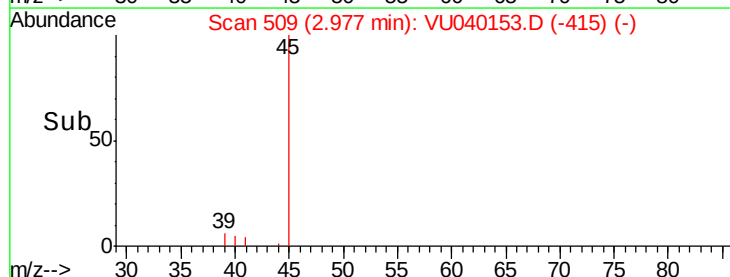
400

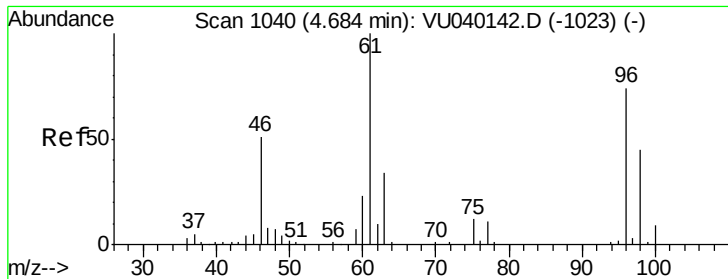
200

0

Time-->

2.96 2.98 3.00





#22

cis-1,2-Dichloroethene

Concen: 0.104 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040153.D

Acq: 16 Sep 2020 17:13

Instrument :

MSVOA_U

ClientSampleId :

C0AB5

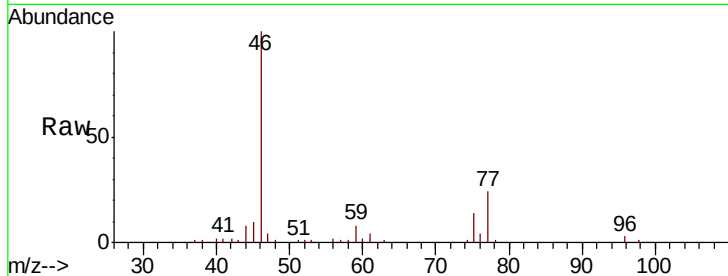
Tot Ion: 96 Resp: 967

Ion Ratio Lower Upper

96 100

61 145.0 98.8 183.4

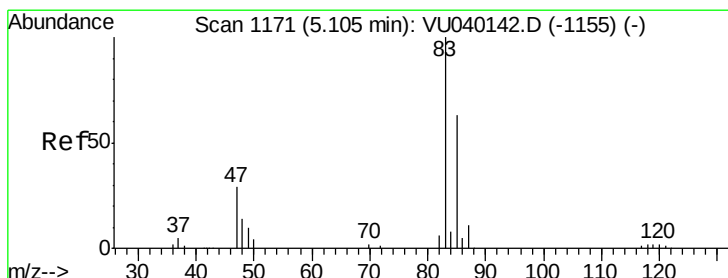
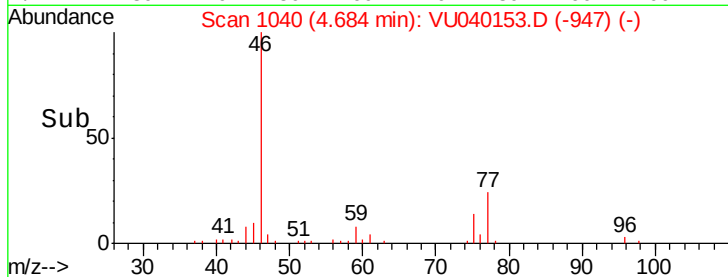
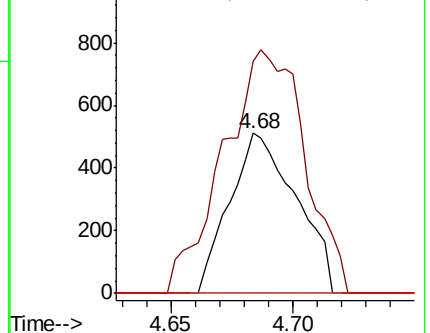
68 0.0 0.0 0.0



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



#25

Chloroform

Concen: 0.836 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU040153.D

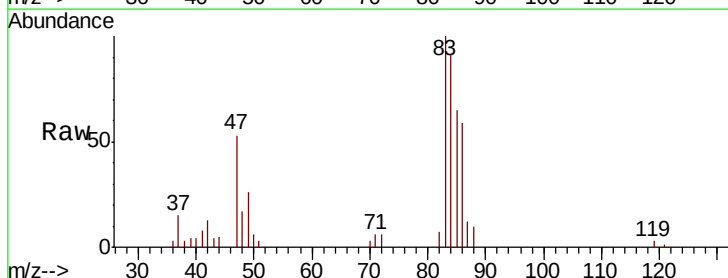
Acq: 16 Sep 2020 17:13

Tgt Ion: 83 Resp: 15275

Ion Ratio Lower Upper

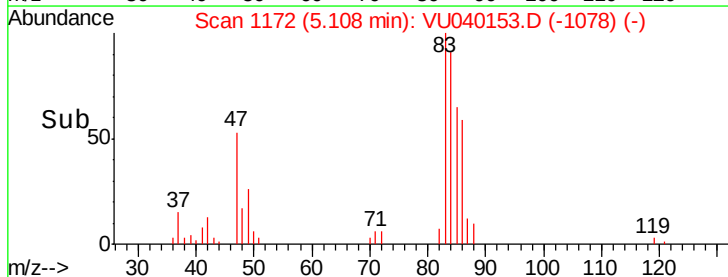
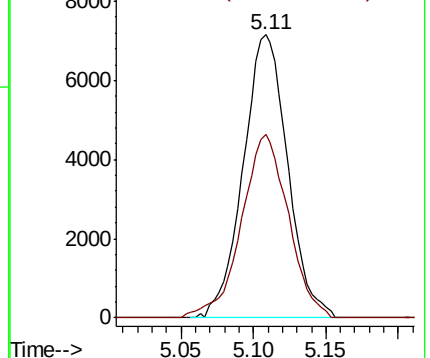
83 100

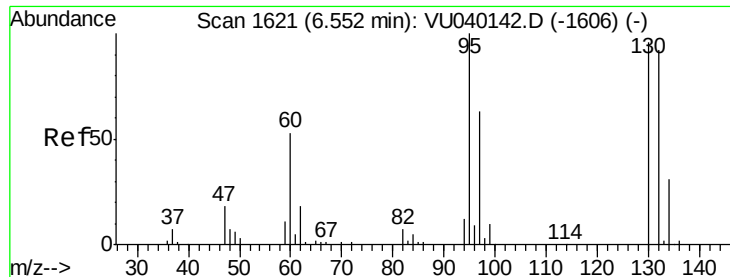
85 64.7 45.3 84.1



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 0.093 ug/L

RT: 6.56 min Scan# 1623

Delta R.T. 0.01 min

Lab File: VU040153.D

Acq: 16 Sep 2020 17:13

Instrument :

MSVOA_U

ClientSampleId :

C0AB5

Tot Ion: 95 Resp: 960

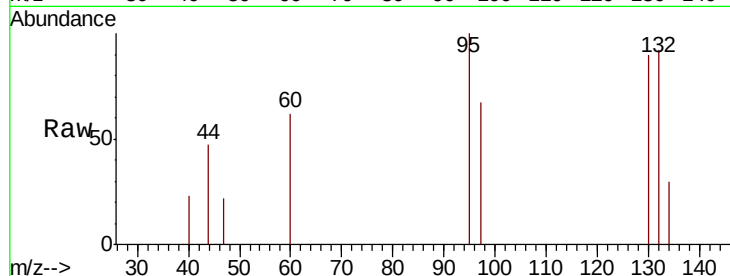
Ion Ratio Lower Upper

95 100

97 66.7 43.3 80.5

132 91.8 59.4 110.4

130 90.2 64.8 120.4

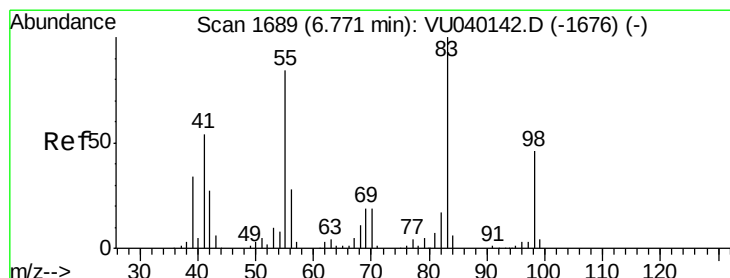
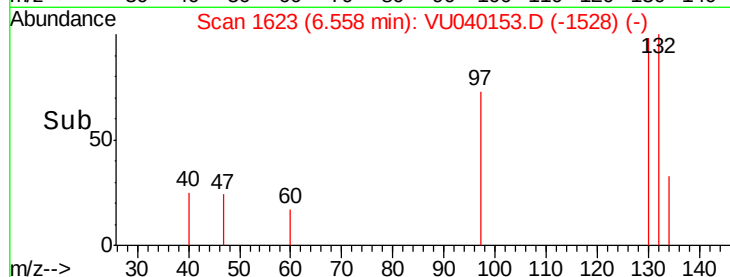
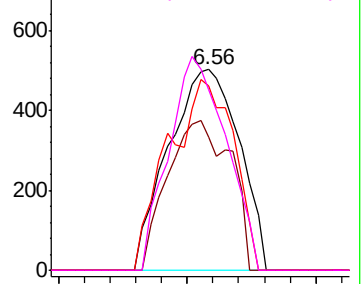


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.607 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040153.D

Acq: 16 Sep 2020 17:13

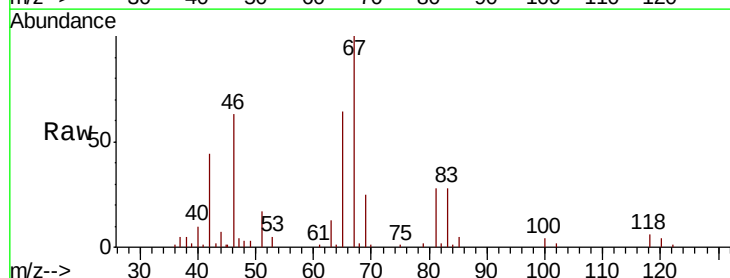
Tgt Ion: 83 Resp: 9610

Ion Ratio Lower Upper

83 100

55 0.0 70.5 105.7#

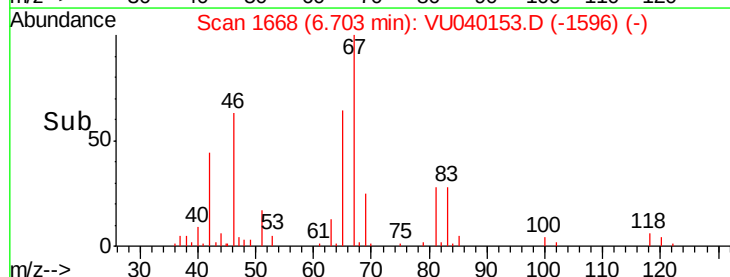
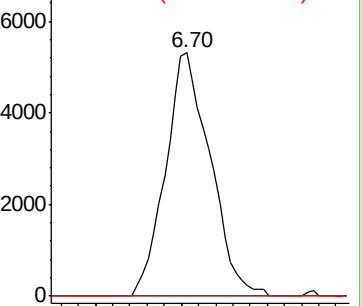
98 0.0 37.8 56.6#

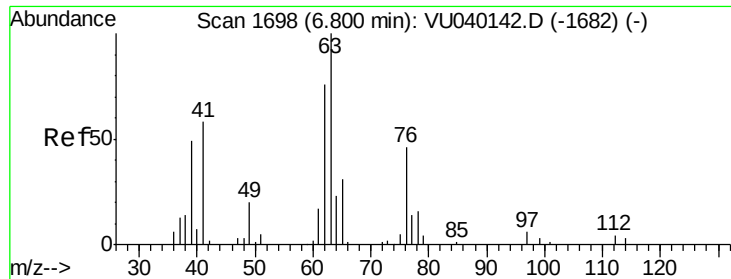


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

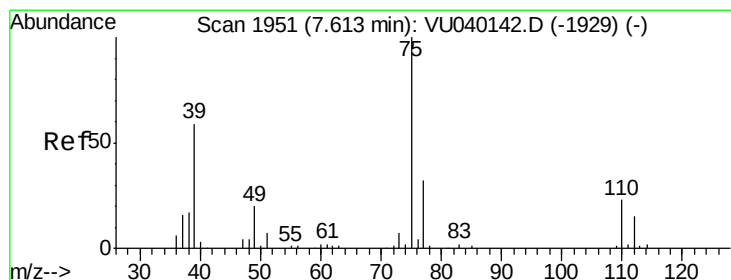
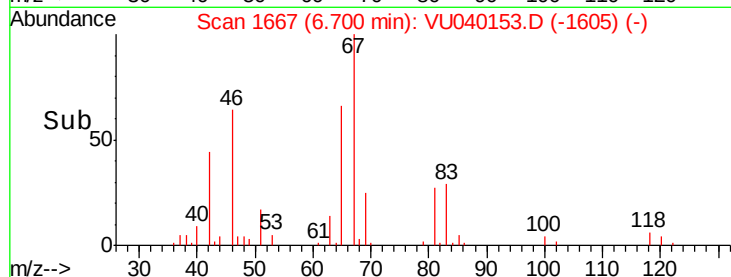
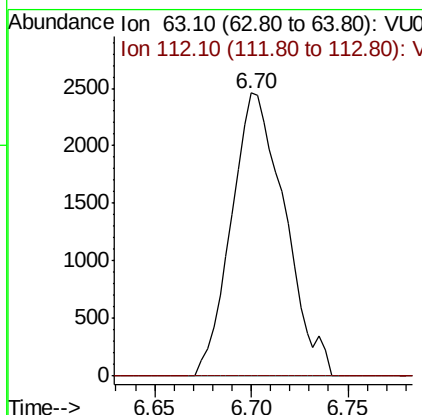
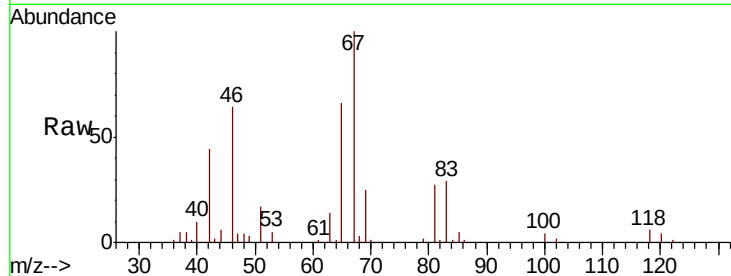




#37
 1,2-Dichloropropane
 Concen: 0.452 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU040153.D
 Acq: 16 Sep 2020 17:13

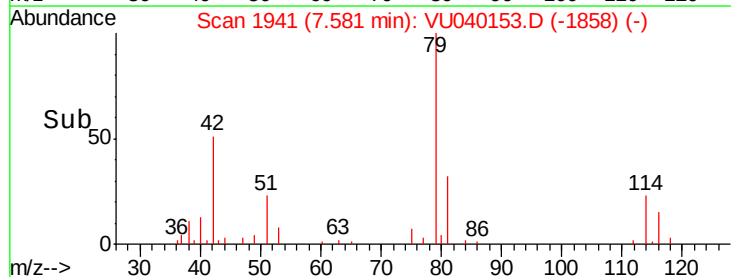
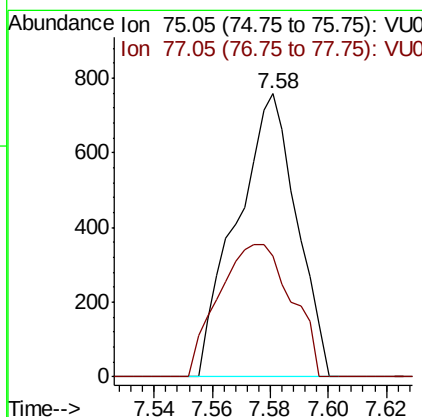
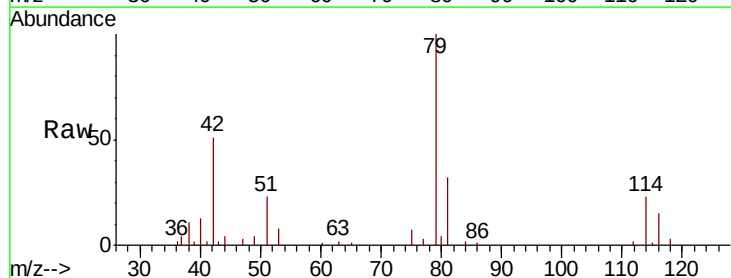
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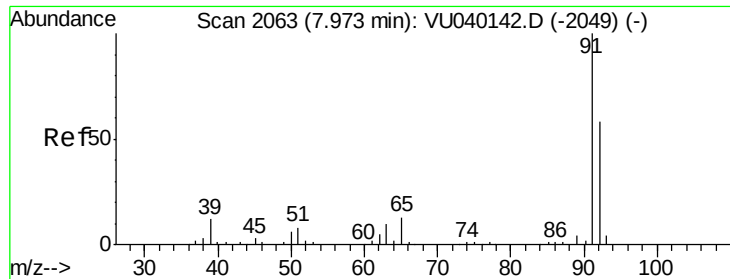
Tot Ion: 63 Resp: 4713
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.071 ug/L
 RT: 7.58 min Scan# 1941
 Delta R.T. -0.03 min
 Lab File: VU040153.D
 Acq: 16 Sep 2020 17:13

Tgt Ion: 75 Resp: 1090
 Ion Ratio Lower Upper
 75 100
 77 42.7 21.1 39.3#





#42

Toluene

Concen: 0.044 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VU040153.D

Acq: 16 Sep 2020 17:13

Instrument :

MSVOA_U

ClientSampleId :

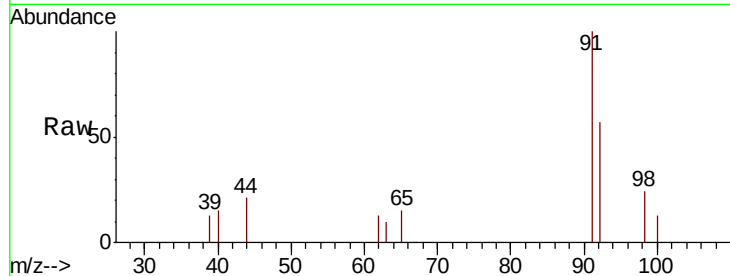
C0AB5

Tot Ion: 91 Resp: 1743

Ion Ratio Lower Upper

91 100

92 57.2 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU040153.D (-2065) (-)

Ion 92.15 (91.85 to 92.85): VU040153.D (-2065) (-)

7.98

1200

1000

800

600

400

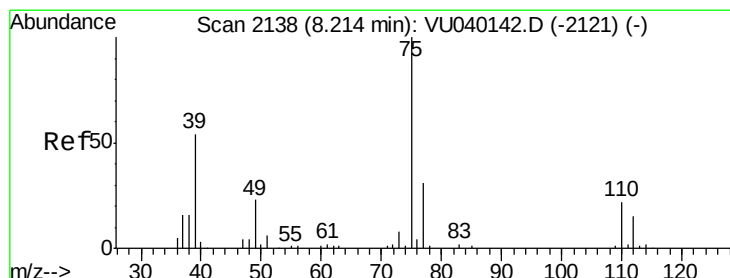
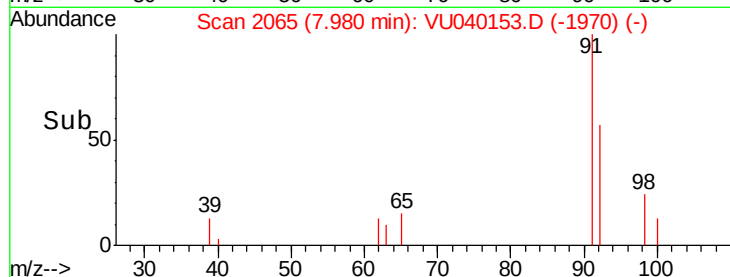
200

0

7.95

8.00

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.058 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040153.D

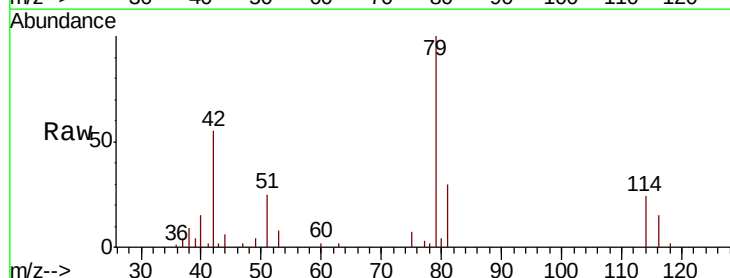
Acq: 16 Sep 2020 17:13

Tgt Ion: 75 Resp: 832

Ion Ratio Lower Upper

75 100

77 49.8 23.9 44.3#



Abundance Ion 75.05 (74.75 to 75.75): VU040153.D (-2138) (-)

Ion 77.05 (76.75 to 77.75): VU040153.D (-2138) (-)

8.18

600

500

400

300

200

100

0

8.14

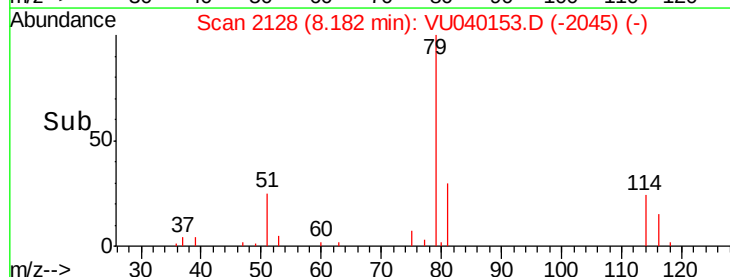
8.16

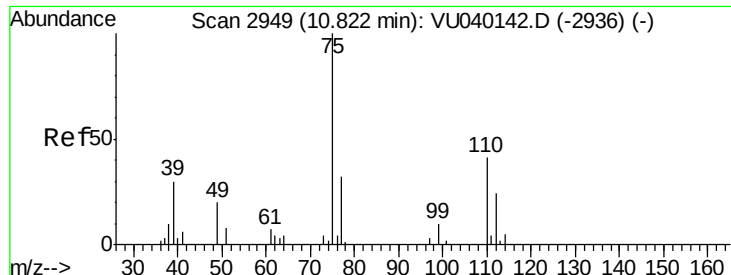
8.18

8.20

8.22

Time-->





#59

1,2,3-Trichloropropane

Concen: 0.858 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040153.D

Acq: 16 Sep 2020 17:13

Instrument :

MSVOA_U

ClientSampleId :

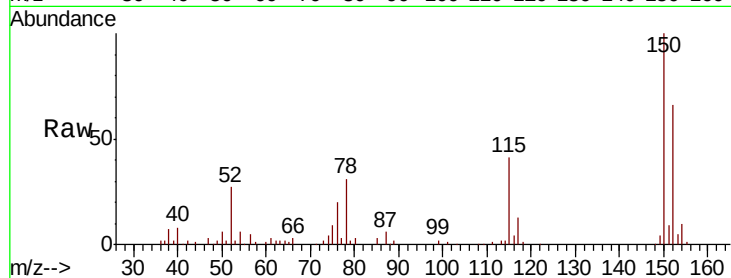
C0AB5

Tot Ion: 75 Resp: 6627

Ion Ratio Lower Upper

75 100

77 35.5 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

