

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091020\
 Data File : VU040090.D
 Acq On : 10 Sep 2020 18:48
 Operator : SY/MD
 Sample : L3961-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4Y33

Quant Time: Sep 11 01:58:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 11 01:49:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	106069	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	107564	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47815	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	30758	5.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.20%
7) Chloroethane-d5	1.92	69	24609	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.58	63	48016	3.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.60%
20) 2-Butanone-d5	4.65	46	102410	44.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.42%
24) Chloroform-d	5.08	84	59160	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	5.72	65	36249	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
32) Benzene-d6	5.75	84	109488	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
36) 1,2-Dichloropropane-d6	6.70	67	35699	4.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.20%
41) Toluene-d8	7.91	98	91294	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
43) trans-1,3-Dichloropropene-	8.19	79	14037	3.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.80%
46) 2-Hexanone-d5	8.64	63	73053	40.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.12%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	31679	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	35185	4.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.00%

Target Compounds

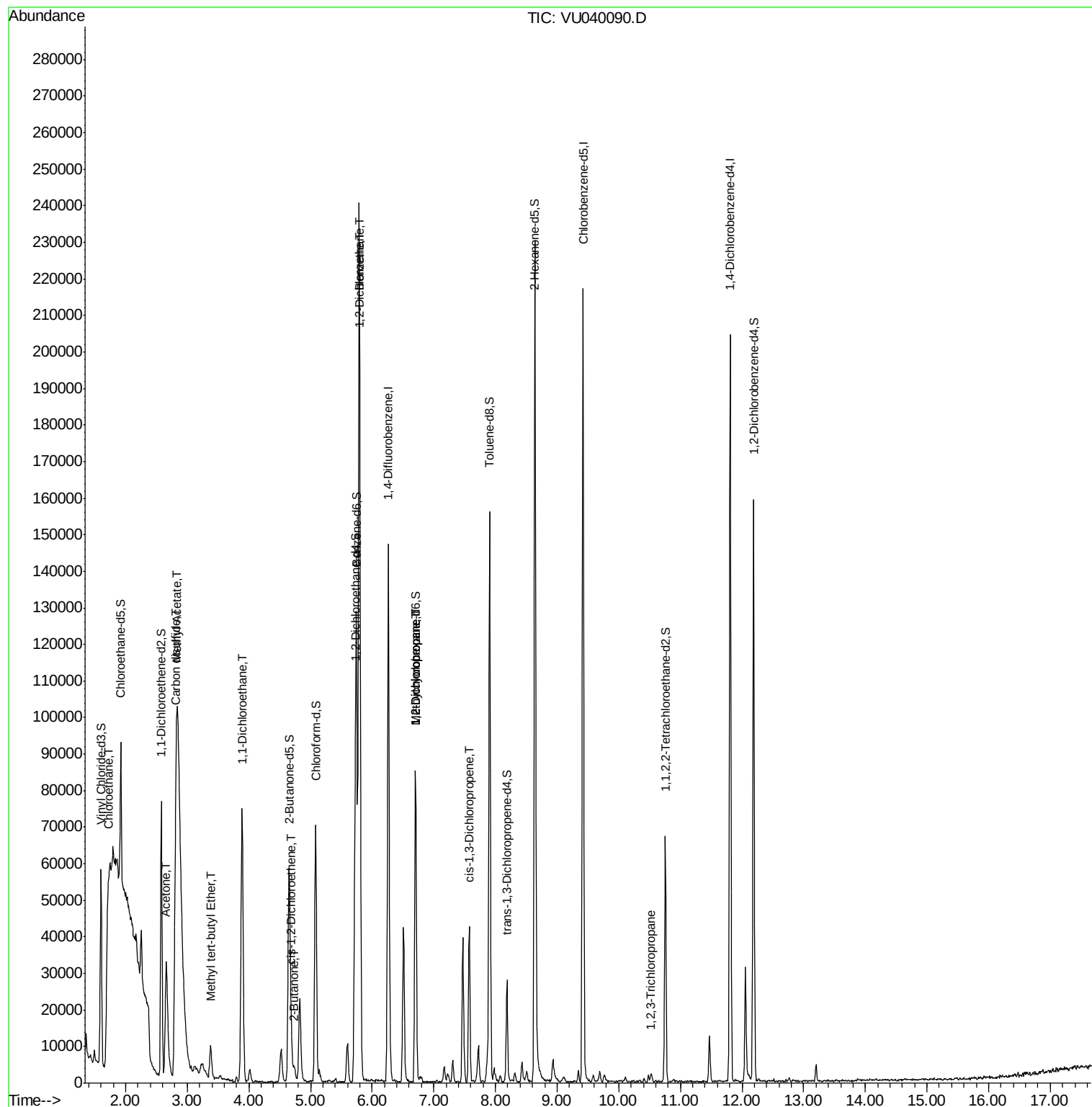
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.72	64	70407	11.467	ug/L #	51
13) Acetone	2.66	43	64426	30.045	ug/L	100
14) Carbon disulfide	2.81	76	2137	0.081	ug/L	99
15) Methyl Acetate	2.83	43	24933	4.633	ug/L #	55
17) Methyl tert-butyl Ether	3.38	73	7788	0.315	ug/L #	88
19) 1,1-Dichloroethane	3.89	63	82917	4.562	ug/L	98
21) 2-Butanone	4.73	43	4238	1.211	ug/L	89
22) cis-1,2-Dichloroethene	4.69	96	1117	0.118	ug/L	76
27) 1,2-Dichloroethane	5.81	62	17065	1.251	ug/L #	96
33) Benzene	5.79	78	206438	5.365	ug/L	100
35) Methylcyclohexane	6.70	83	8392	0.531	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	4535	0.435	ug/L #	88
39) cis-1,3-Dichloropropene	7.58	75	1124	0.073	ug/L #	82
59) 1,2,3-Trichloropropane	10.52	75	1439	0.186	ug/L #	69

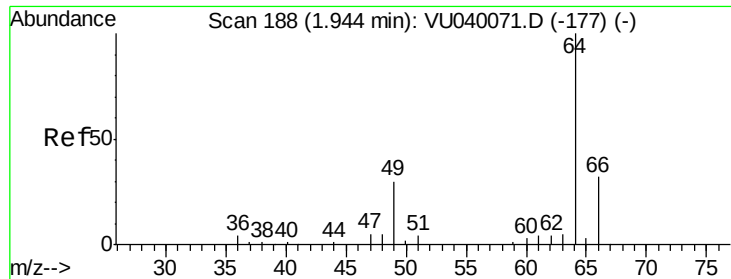
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 11.467 ug/L

RT: 1.72 min Scan# 119

Delta R.T. -0.22 min

Lab File: VU040090.D

Acq: 10 Sep 2020 18:48

Instrument :

MSVOA_U

ClientSampleId :

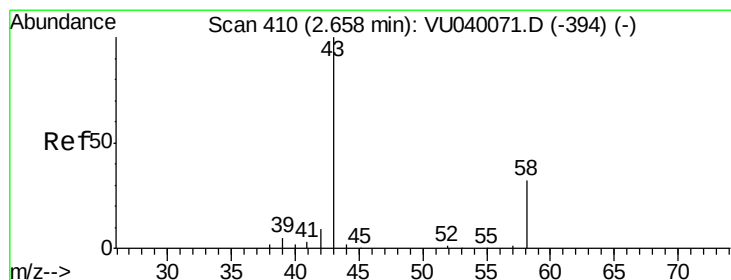
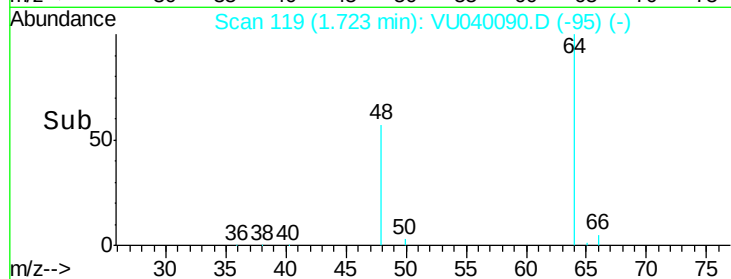
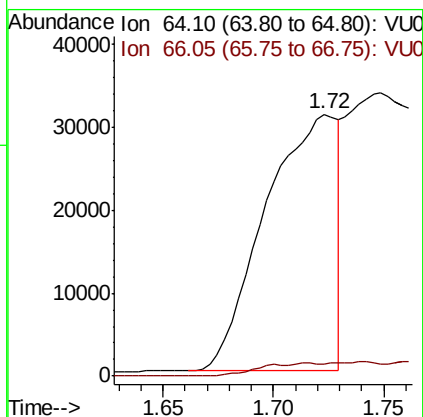
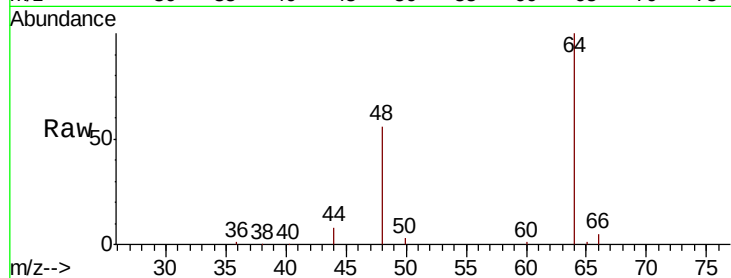
F4Y33

Tot Ion: 64 Resp: 70407

Ion Ratio Lower Upper

64 100

66 4.7 22.7 42.1#



#13

Acetone

Concen: 30.045 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU040090.D

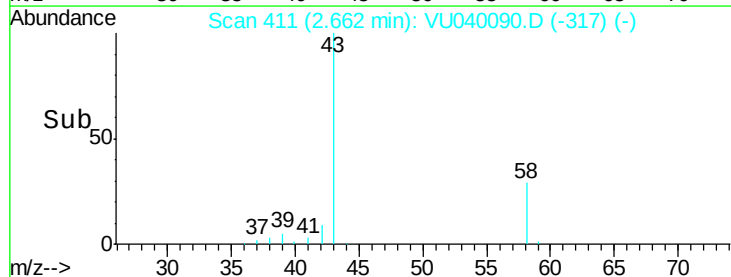
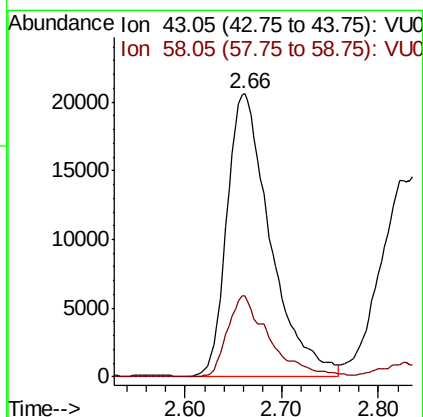
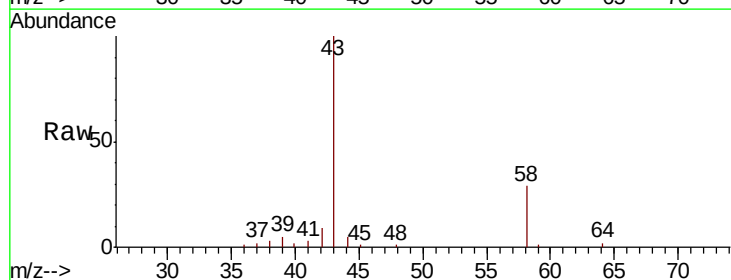
Acq: 10 Sep 2020 18:48

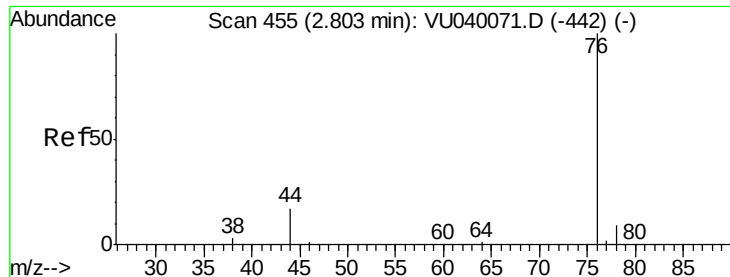
Tgt Ion: 43 Resp: 64426

Ion Ratio Lower Upper

43 100

58 27.8 0.0 55.4





#14

Carbon disulfide

Concen: 0.081 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.01 min

Lab File: VU040090.D

Acq: 10 Sep 2020 18:48

Instrument :

MSVOA_U

ClientSampleId :

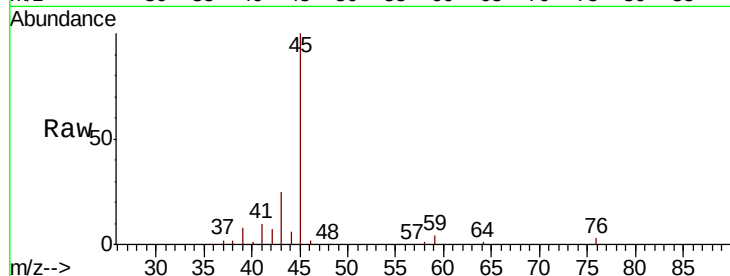
F4Y33

Tot Ion: 76 Resp: 2137

Ion Ratio Lower Upper

76 100

78 9.5 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU040071.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU040071.D (-442) (-)

2.81

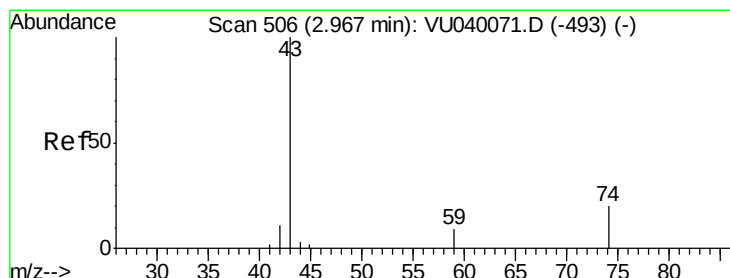
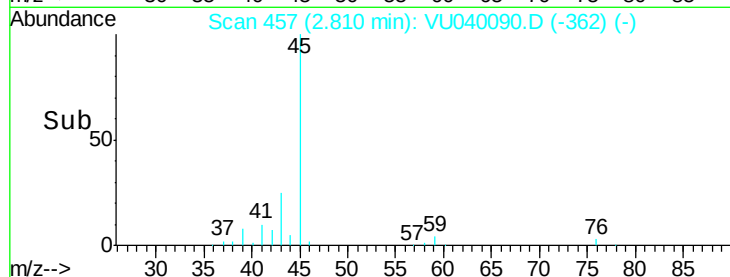
1500

1000

500

0

Time-->



#15

Methyl Acetate

Concen: 4.633 ug/L

RT: 2.83 min Scan# 462

Delta R.T. -0.14 min

Lab File: VU040090.D

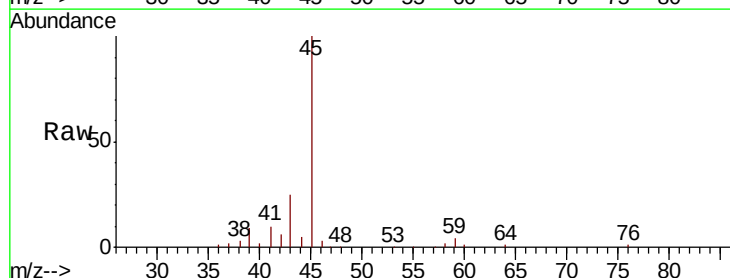
Acq: 10 Sep 2020 18:48

Tgt Ion: 43 Resp: 24933

Ion Ratio Lower Upper

43 100

74 0.2 17.4 26.0#



Abundance Ion 43.05 (42.75 to 43.75): VU040071.D (-493) (-)

Ion 74.05 (73.75 to 74.75): VU040071.D (-493) (-)

2.83

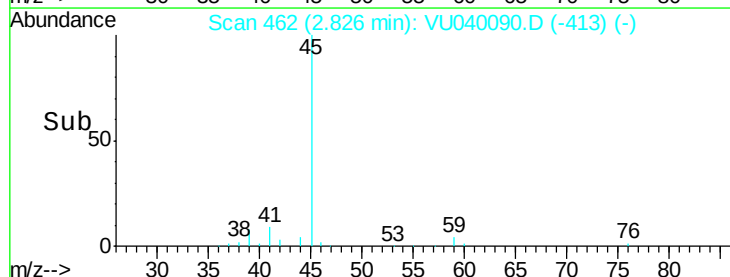
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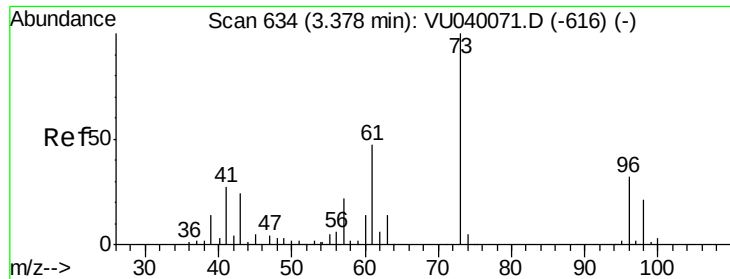
10000

5000

0

Time-->

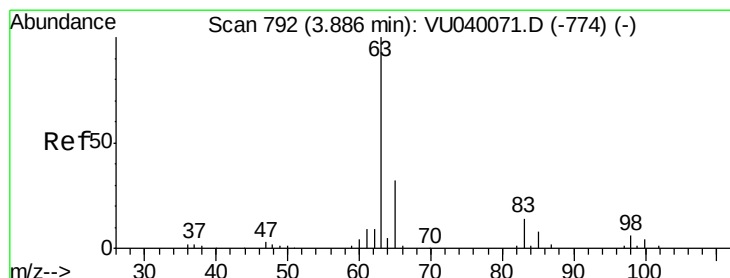
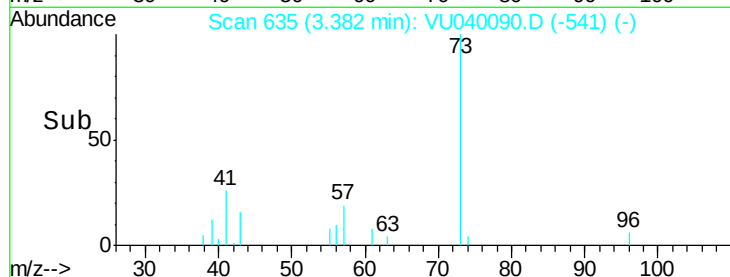
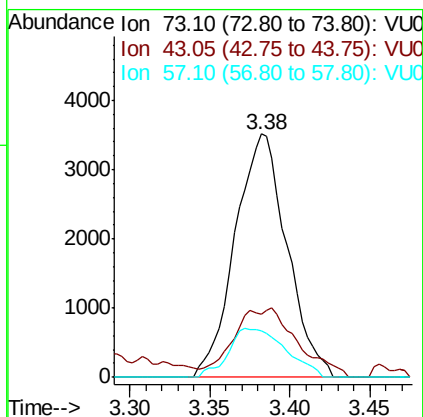
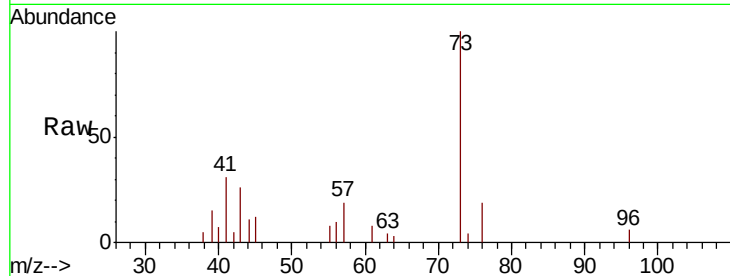




#17
Methyl tert-butyl Ether
Concen: 0.315 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040090.D
Acq: 10 Sep 2020 18:48

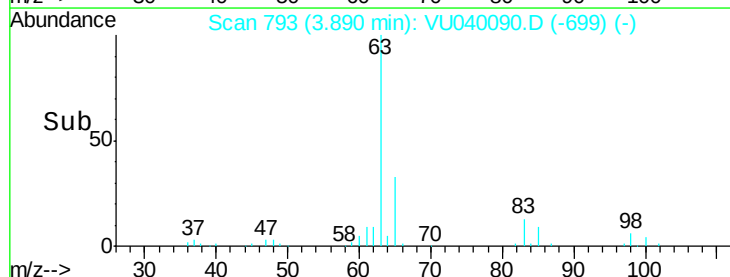
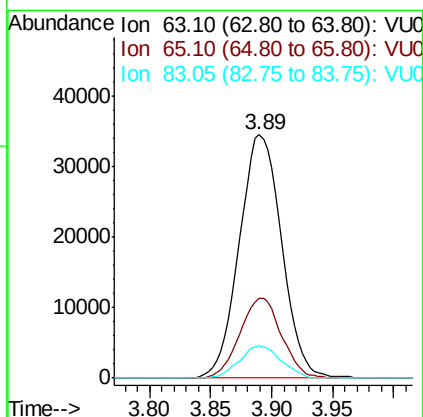
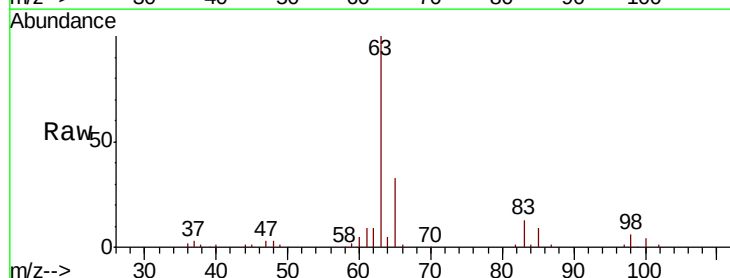
Instrument :
MSVOA_U
ClientSampleId :
F4Y33

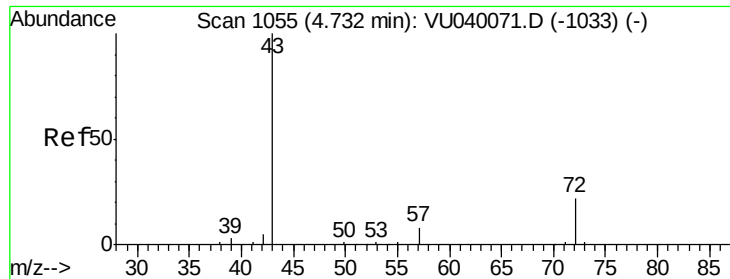
Tot Ion: 73 Resp: 7788
Ion Ratio Lower Upper
73 100
43 13.1 19.1 28.7#
57 22.1 18.3 27.5



#19
1,1-Dichloroethane
Concen: 4.562 ug/L
RT: 3.89 min Scan# 793
Delta R.T. 0.00 min
Lab File: VU040090.D
Acq: 10 Sep 2020 18:48

Tgt Ion: 63 Resp: 82917
Ion Ratio Lower Upper
63 100
65 32.8 22.2 41.2
83 13.2 9.4 17.6





#21

2-Butanone

Concen: 1.211 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VU040090.D

Acq: 10 Sep 2020 18:48

Instrument :

MSVOA_U

ClientSampled :

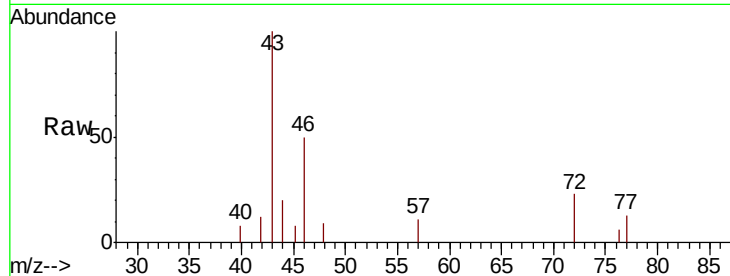
F4Y33

Tot Ion: 43 Resp: 4238

Ion Ratio Lower Upper

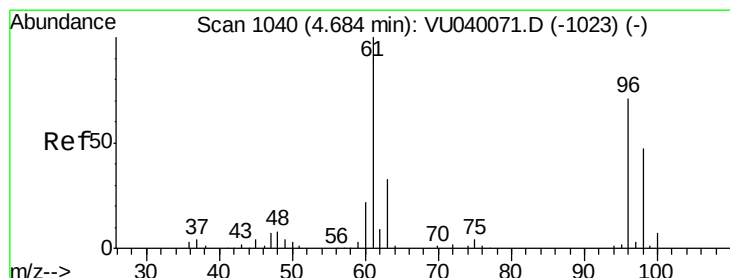
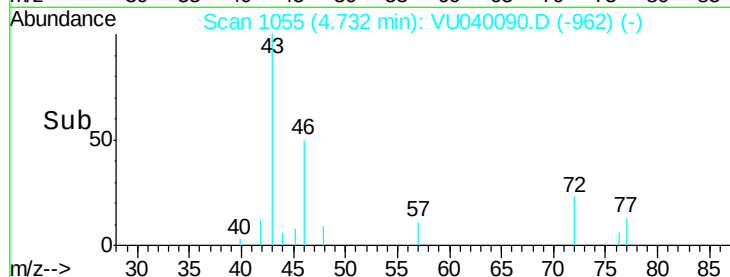
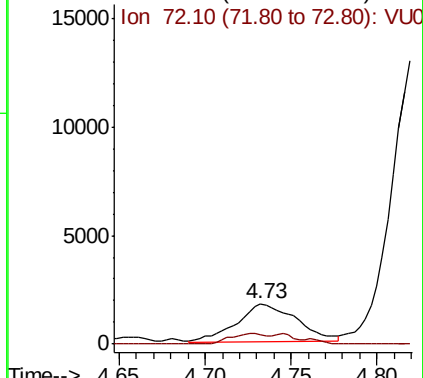
43 100

72 17.9 11.7 35.0



Abundance Ion 43.05 (42.75 to 43.75): VU040071.D (-1033) (-)

Ion 72.10 (71.80 to 72.80): VU040071.D (-1033) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.118 ug/L

RT: 4.69 min Scan# 1043

Delta R.T. 0.01 min

Lab File: VU040090.D

Acq: 10 Sep 2020 18:48

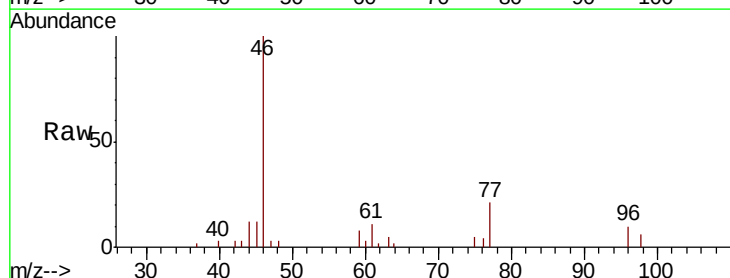
Tgt Ion: 96 Resp: 1117

Ion Ratio Lower Upper

96 100

61 111.4 98.8 183.4

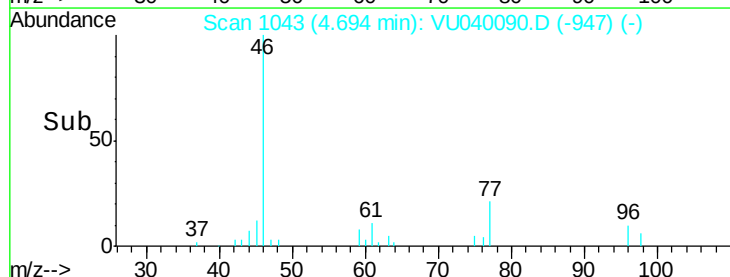
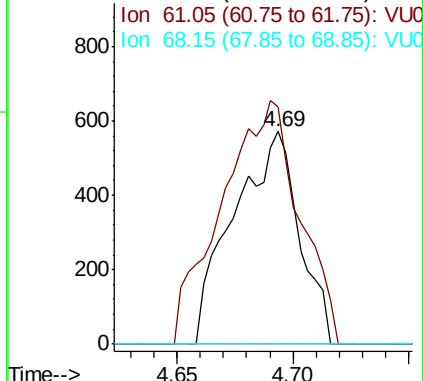
68 0.0 0.0 0.0

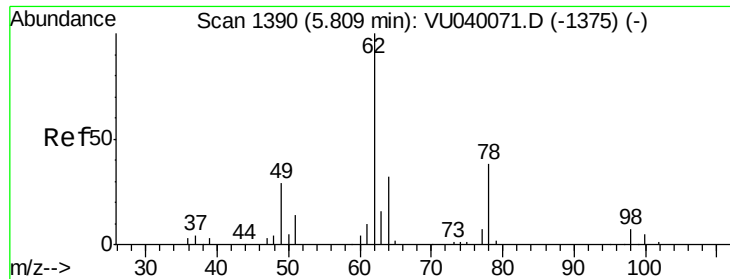


Abundance Ion 96.00 (95.70 to 96.70): VU040071.D (-1023) (-)

Ion 61.05 (60.75 to 61.75): VU040071.D (-1023) (-)

Ion 68.15 (67.85 to 68.85): VU040071.D (-1023) (-)

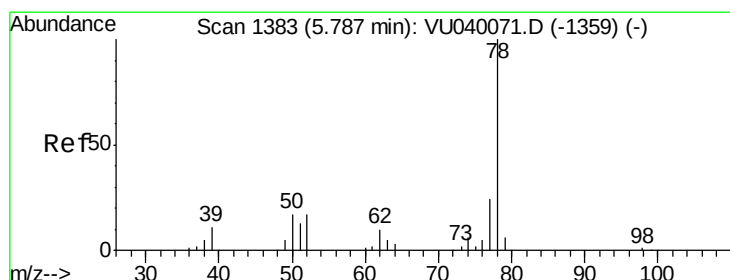
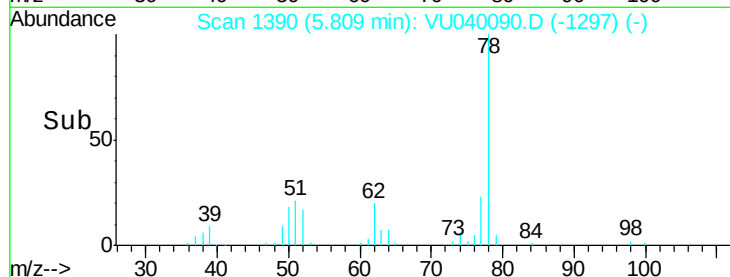
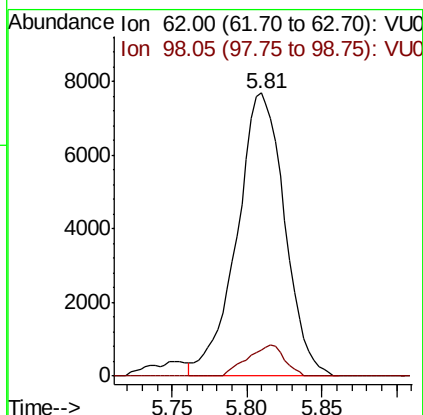
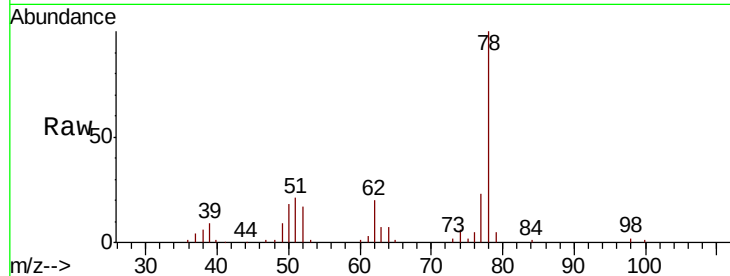




#27
 1,2-Dichloroethane
 Concen: 1.251 ug/L
 RT: 5.81 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VU040090.D
 Acq: 10 Sep 2020 18:48

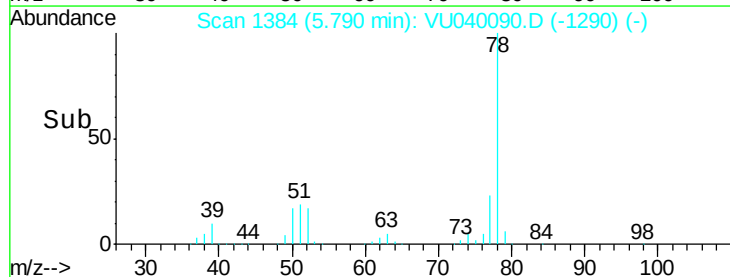
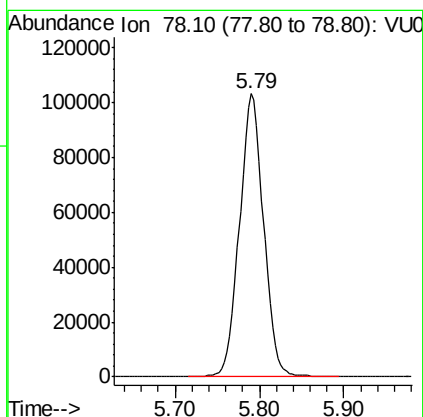
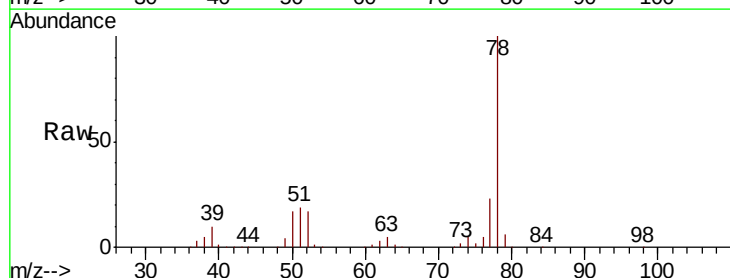
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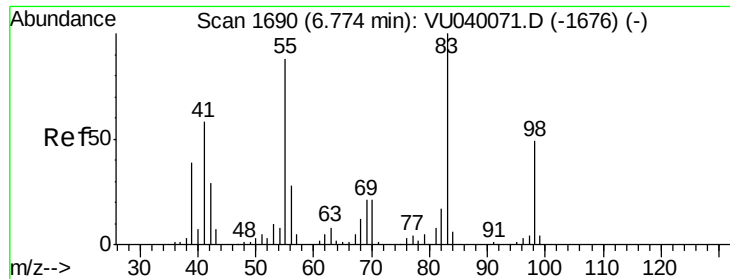
Tot Ion: 62 Resp: 17065
 Ion Ratio Lower Upper
 62 100
 98 9.1 6.1 9.1#



#33
 Benzene
 Concen: 5.365 ug/L
 RT: 5.79 min Scan# 1384
 Delta R.T. 0.00 min
 Lab File: VU040090.D
 Acq: 10 Sep 2020 18:48

Tgt Ion: 78 Resp: 206438

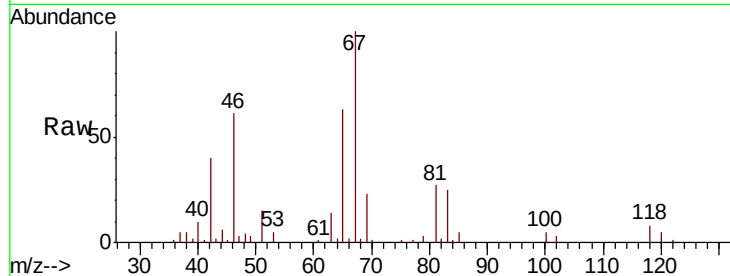




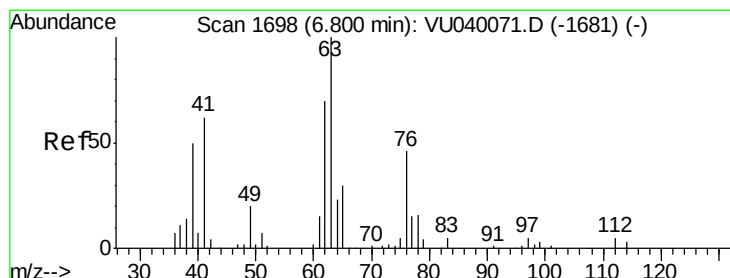
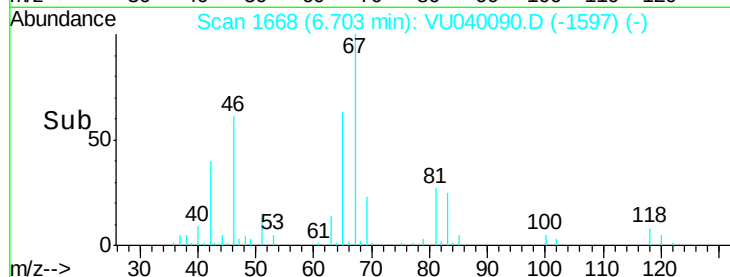
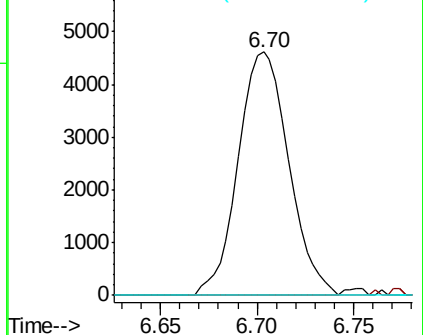
#35
Methylvlcyclohexane
Concen: 0.531 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040090.D
Acq: 10 Sep 2020 18:48

Instrument :
MSVOA_U
ClientSampleId :
F4Y33

Tot Ion: 83 Resp: 8392
Ion Ratio Lower Upper
83 100
55 0.2 70.5 105.7#
98 0.0 37.8 56.6#

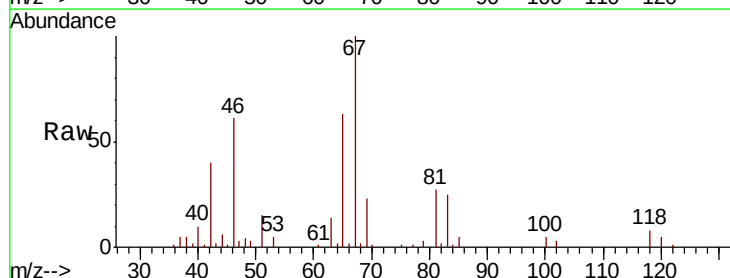


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

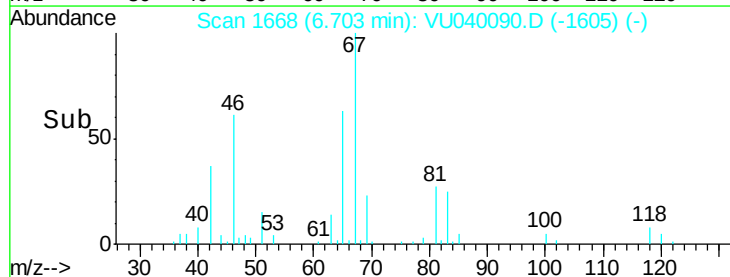
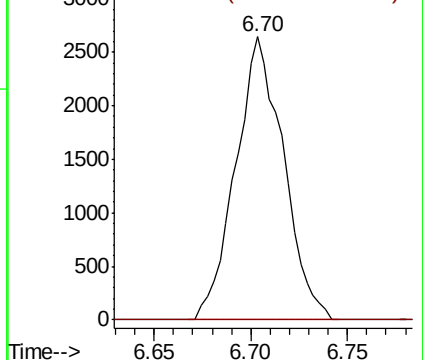


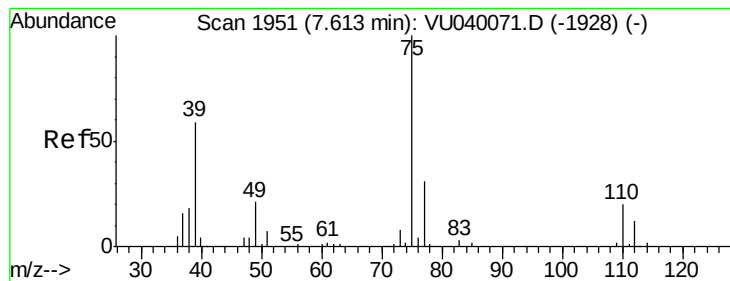
#37
1,2-Dichloropropane
Concen: 0.435 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040090.D
Acq: 10 Sep 2020 18:48

Tgt Ion: 63 Resp: 4535
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.073 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU040090.D

Acq: 10 Sep 2020 18:48

Instrument :

MSVOA_U

ClientSampleId :

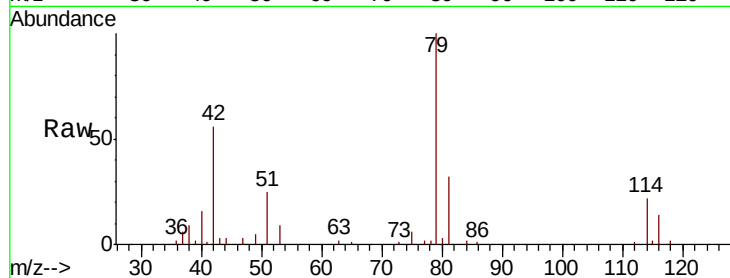
F4Y33

Tot Ion: 75 Resp: 1124

Ion Ratio Lower Upper

75 100

77 39.9 21.1 39.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

800

600

400

200

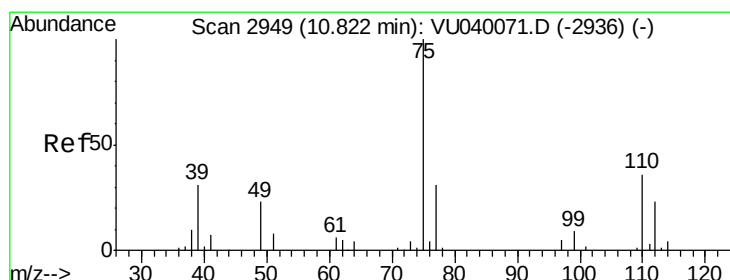
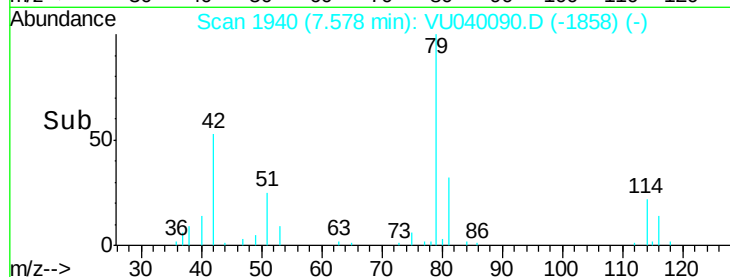
0

7.55

7.58

7.60

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.186 ug/L

RT: 10.52 min Scan# 2856

Delta R.T. -0.30 min

Lab File: VU040090.D

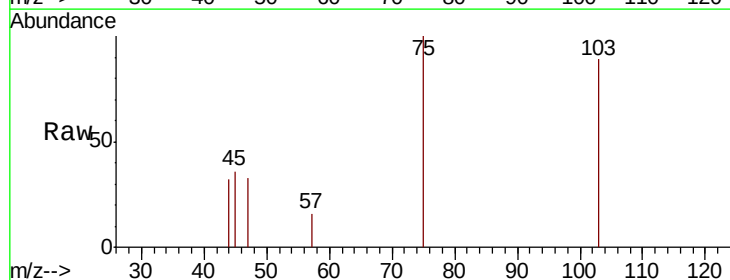
Acq: 10 Sep 2020 18:48

Tgt Ion: 75 Resp: 1439

Ion Ratio Lower Upper

75 100

77 13.8 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

800

600

400

200

0

10.50

10.52

10.55

Time-->

