

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110320\
 Data File : VU041072.D
 Acq On : 03 Nov 2020 12:41
 Operator : SY/MD
 Sample : L4614-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFST0

Quant Time: Nov 04 00:59:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 04 00:51:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	53980	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	55560	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	23442	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	18457	4.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.40%
7) Chloroethane-d5	1.93	69	14725	4.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.60%
11) 1,1-Dichloroethene-d2	2.58	63	27138	3.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.00%
20) 2-Butanone-d5	4.65	46	79707	53.37	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.74%
24) Chloroform-d	5.08	84	35864	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	5.72	65	23095	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
32) Benzene-d6	5.74	84	64607	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
36) 1,2-Dichloropropane-d6	6.70	67	22555	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.20%
41) Toluene-d8	7.91	98	52495	3.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.00%
43) trans-1,3-Dichloropropene-	8.19	79	8992	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.64	63	54077	47.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.78%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	20823	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	21660	5.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

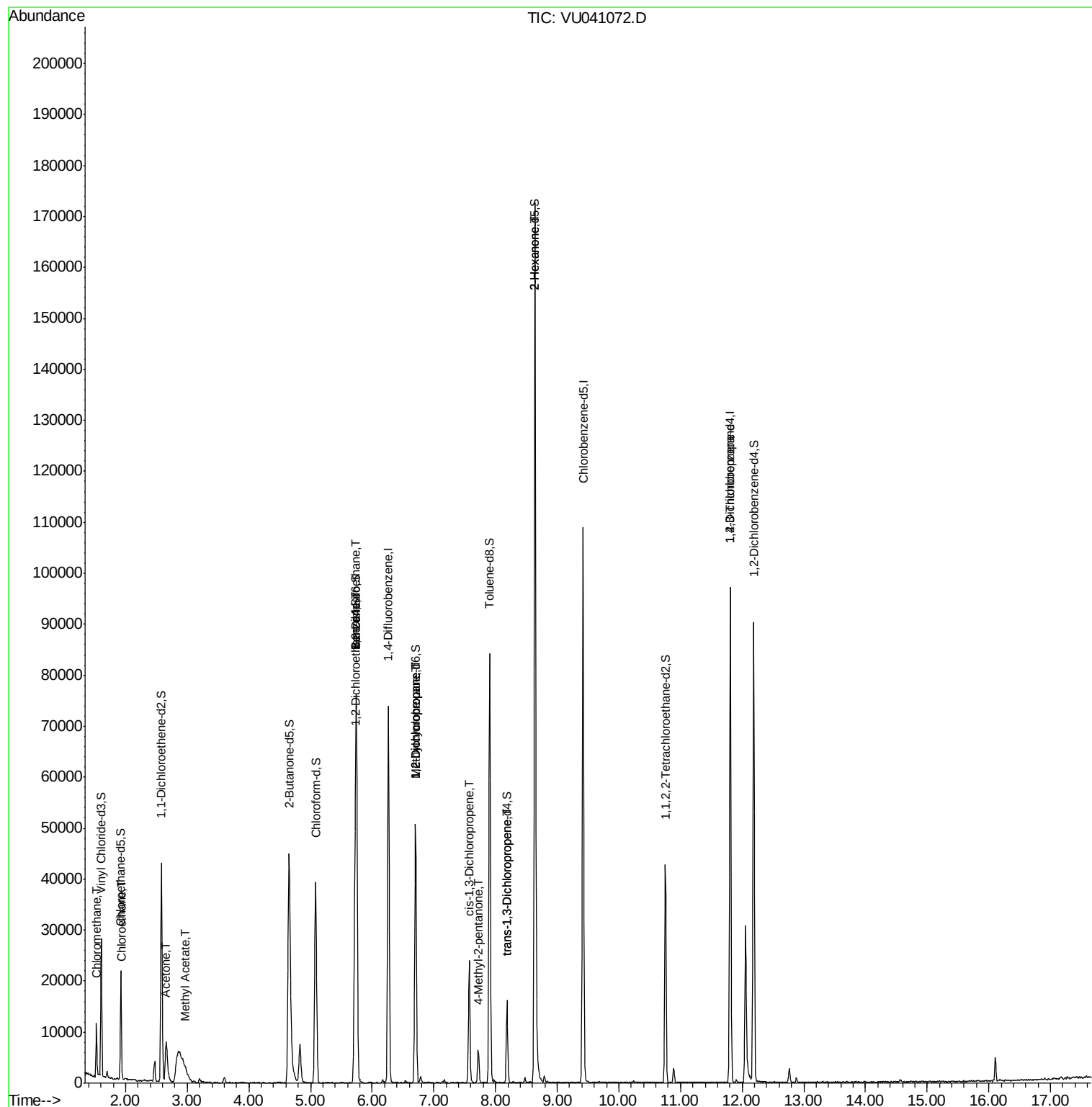
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	6881	1.339	ug/L	96
8) Chloroethane	1.94	64	178	0.055	ug/L #	43
13) Acetone	2.66	43	14835	14.530	ug/L #	58
15) Methyl Acetate	2.97	43	1574	0.674	ug/L #	53
27) 1,2-Dichloroethane	5.74	62	286	0.049	ug/L #	74
33) Benzene	5.75	78	469	0.028	ug/L	100
35) Methylcyclohexane	6.70	83	5022	0.797	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	2643	0.588	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	492	0.080	ug/L #	58
40) 4-Methyl-2-pentanone	7.72	43	3605	1.007	ug/L #	45
44) trans-1,3-Dichloropropene	8.18	75	428	0.074	ug/L	89
48) 2-Hexanone	8.64	43	7792	2.889	ug/L #	70
59) 1,2,3-Trichloropropane	11.81	75	3386	1.011	ug/L	94

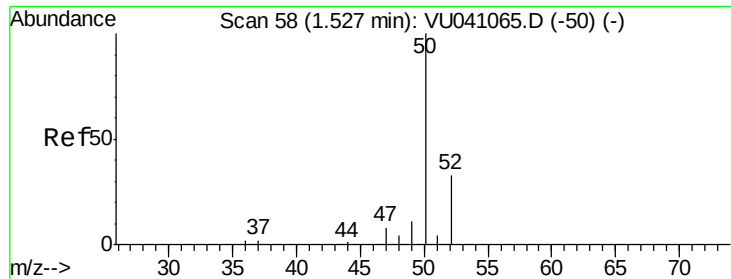
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.339 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041072.D

Acq: 03 Nov 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

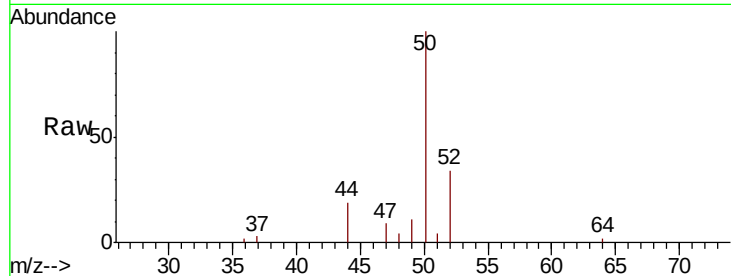
BFST0

Tot Ion: 50 Resp: 6881

Ion Ratio Lower Upper

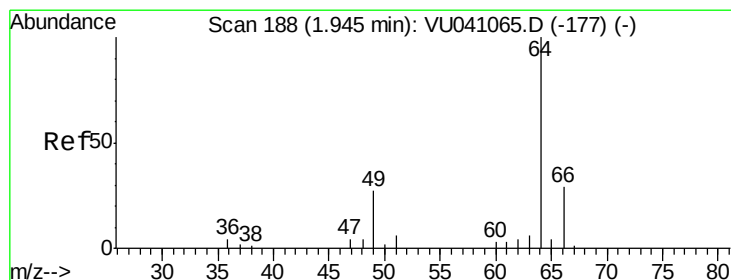
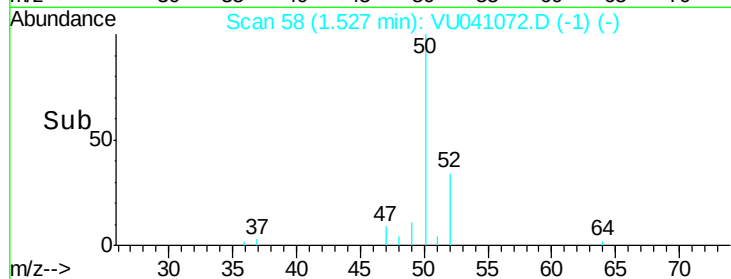
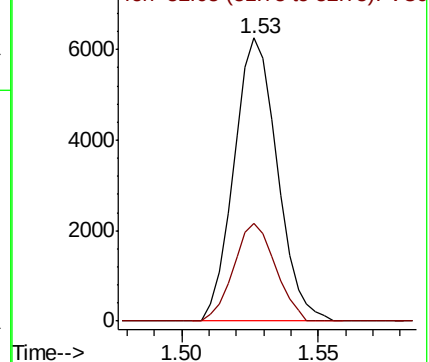
50 100

52 34.4 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.055 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU041072.D

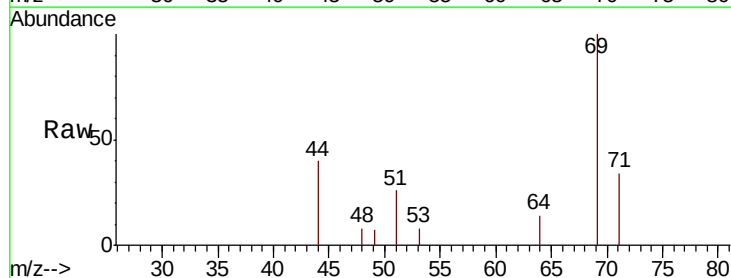
Acq: 03 Nov 2020 12:41

Tgt Ion: 64 Resp: 178

Ion Ratio Lower Upper

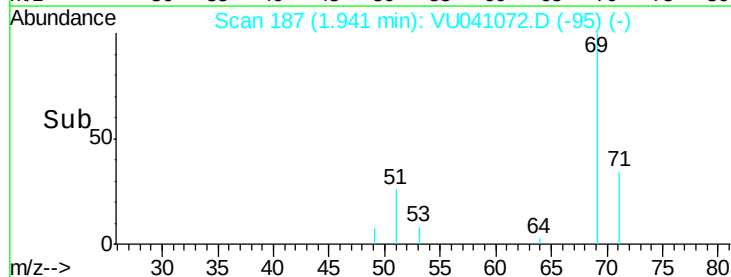
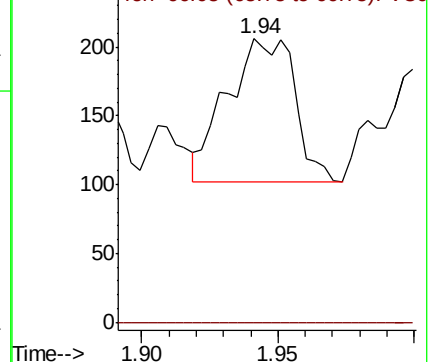
64 100

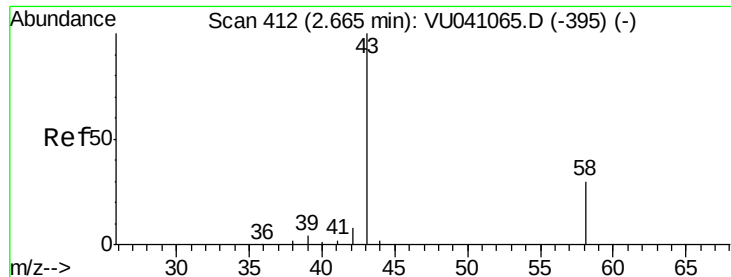
66 0.0 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#13

Acetone

Concen: 14.530 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU041072.D

Acq: 03 Nov 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

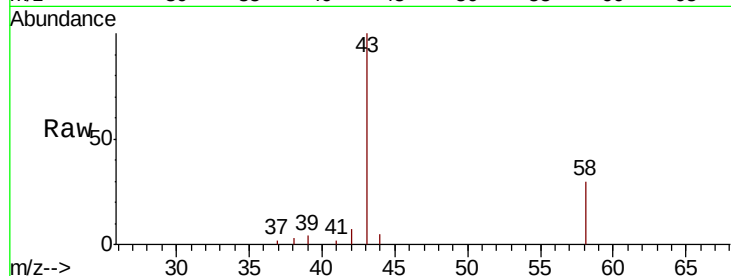
BFST0

Tot Ion: 43 Resp: 14835

Ion Ratio Lower Upper

43 100

58 29.2 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU041065.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU041065.D (-395) (-)

2.66

6000

5000

4000

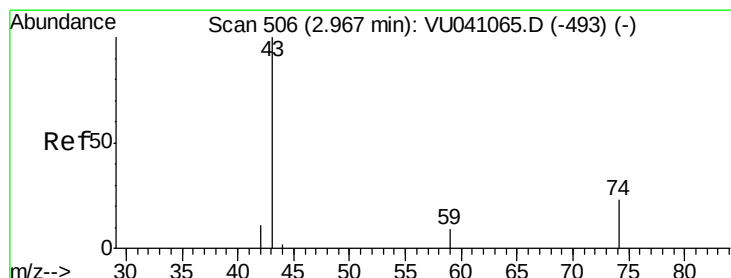
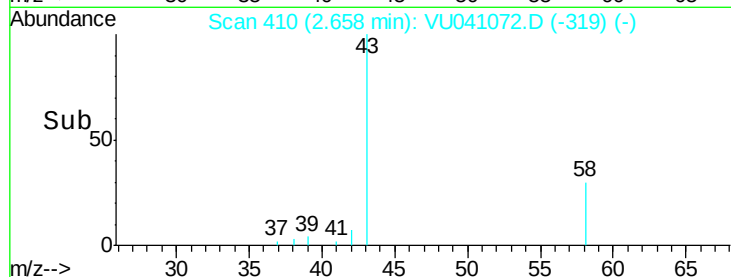
3000

2000

1000

0

Time-->



#15

Methyl Acetate

Concen: 0.674 ug/L

RT: 2.97 min Scan# 507

Delta R.T. 0.00 min

Lab File: VU041072.D

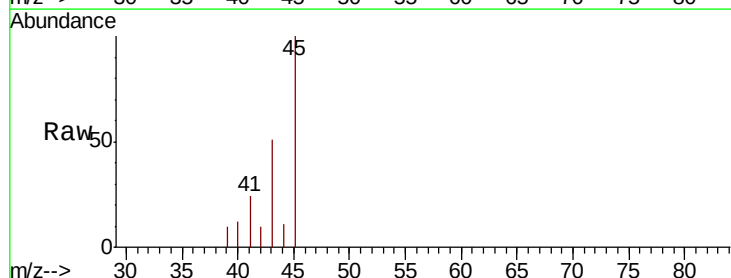
Acq: 03 Nov 2020 12:41

Tgt Ion: 43 Resp: 1574

Ion Ratio Lower Upper

43 100

74 0.0 18.3 27.5#



Abundance Ion 43.05 (42.75 to 43.75): VU041065.D (-493) (-)

Ion 74.05 (73.75 to 74.75): VU041065.D (-493) (-)

2.97

800

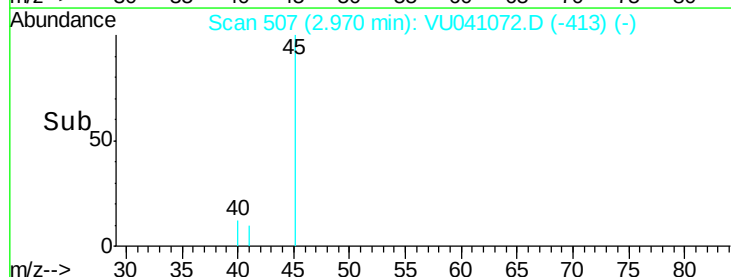
600

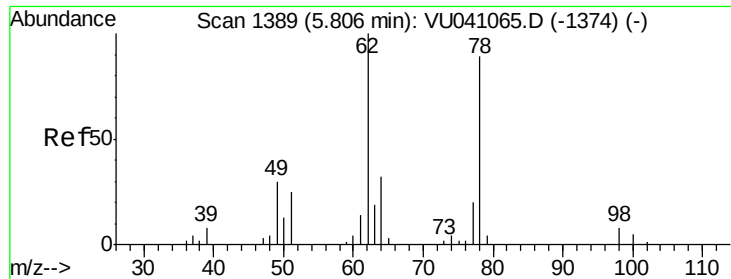
400

200

0

Time-->

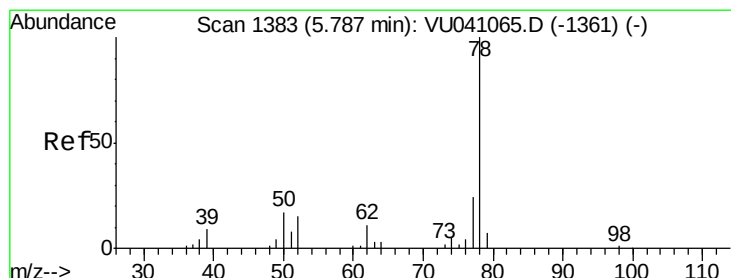
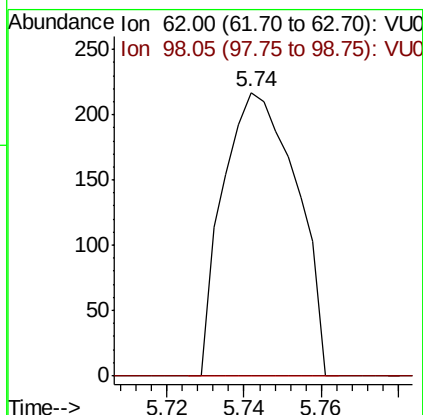
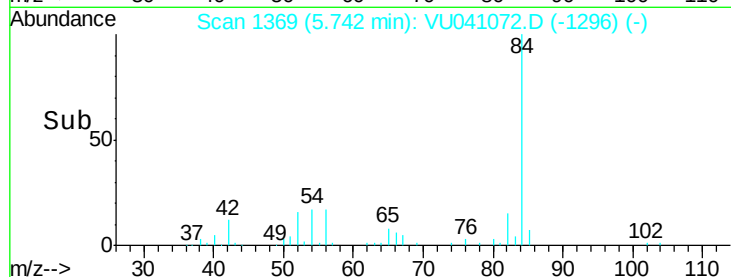
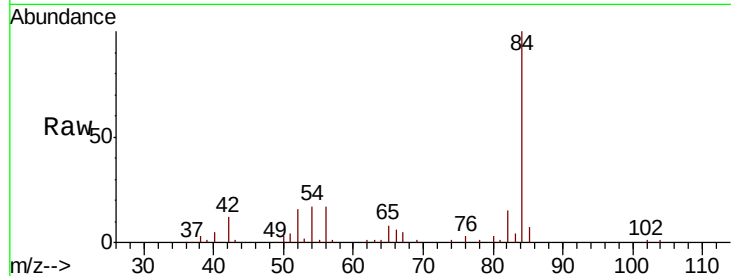




#27
 1,2-Dichloroethane
 Concen: 0.049 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.06 min
 Lab File: VU041072.D
 Acq: 03 Nov 2020 12:41

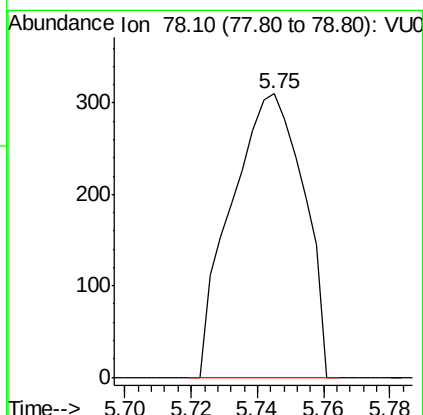
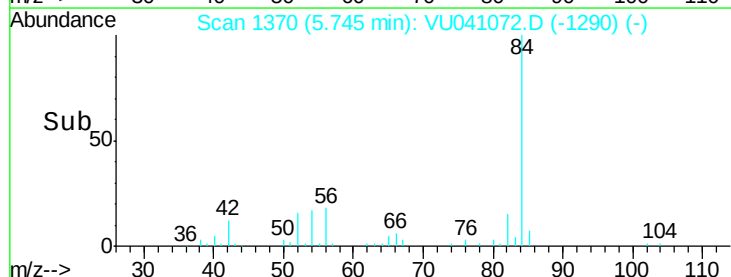
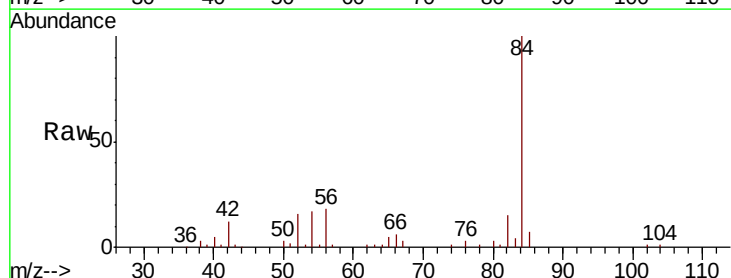
Instrument :
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 BFST0

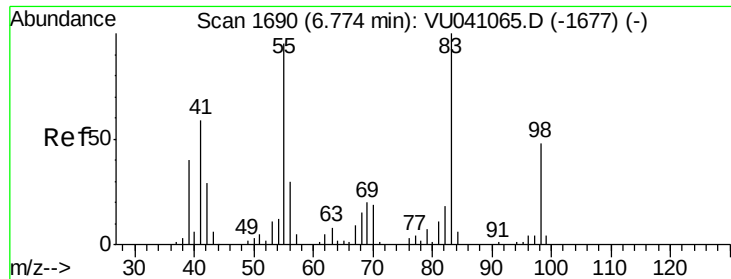
Tot Ion: 62 Resp: 286
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#33
 Benzene
 Concen: 0.028 ug/L
 RT: 5.75 min Scan# 1370
 Delta R.T. -0.04 min
 Lab File: VU041072.D
 Acq: 03 Nov 2020 12:41

Tgt Ion: 78 Resp: 469

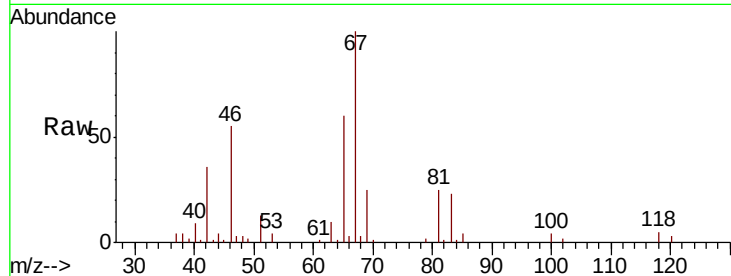




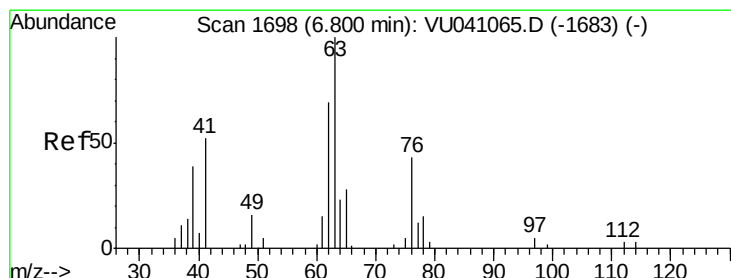
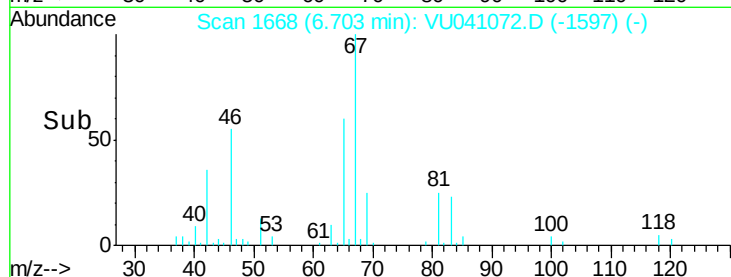
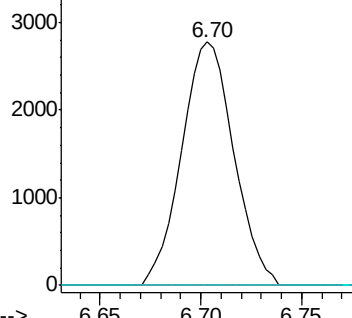
#35
Methylvlcyclohexane
Concen: 0.797 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041072.D
Acq: 03 Nov 2020 12:41

Instrument :
MSVOA_U
ClientSampleId :
BFST0

Tot Ion: 83 Resp: 5022
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.0 36.6 55.0#

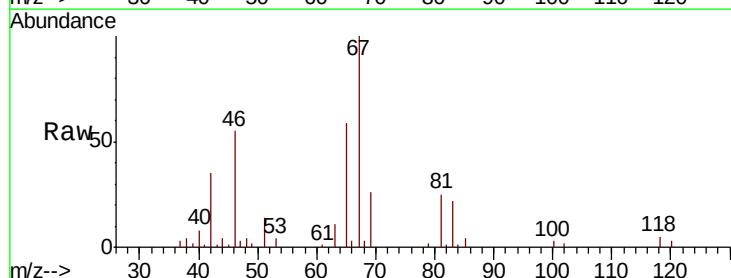


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

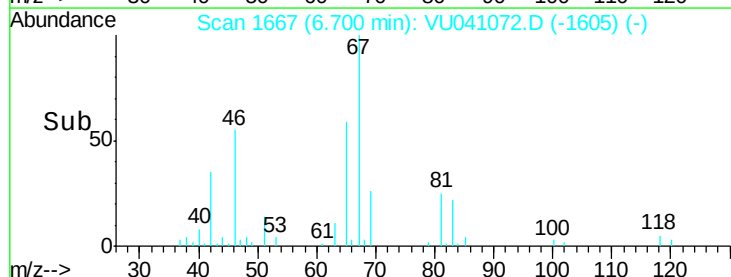
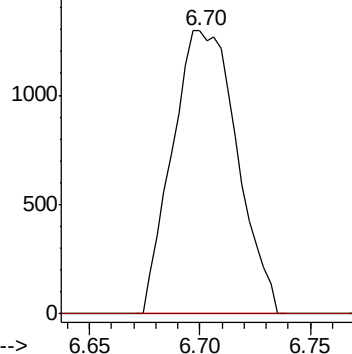


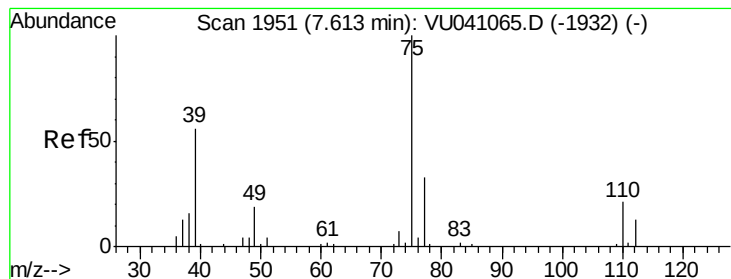
#37
1,2-Dichloropropane
Concen: 0.588 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041072.D
Acq: 03 Nov 2020 12:41

Tgt Ion: 63 Resp: 2643
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



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: 0.080 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU041072.D

Acq: 03 Nov 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

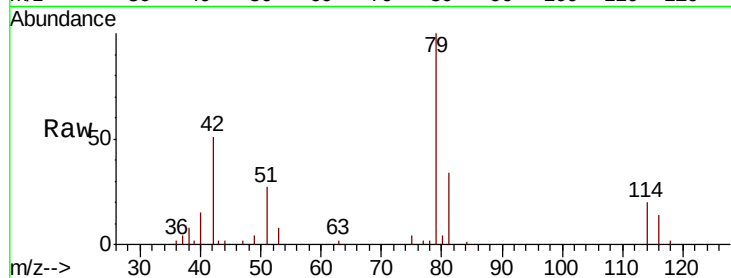
BFST0

Tot Ion: 75 Resp: 492

Ion Ratio Lower Upper

75 100

77 56.0 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.57

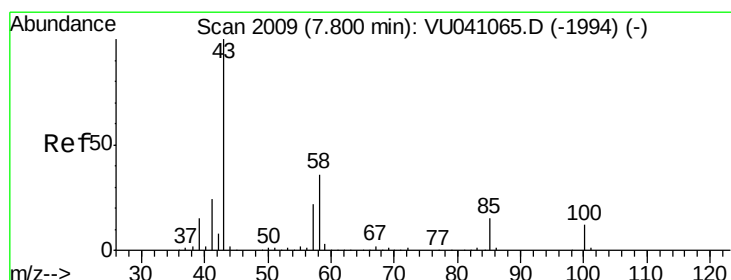
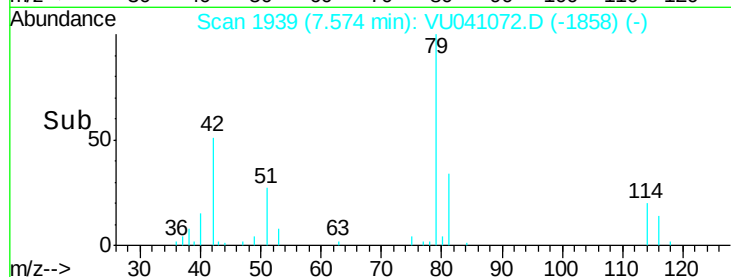
300

200

100

0

Time--> 7.54 7.56 7.58 7.60



#40

4-Methyl-2-pentanone

Concen: 1.007 ug/L

RT: 7.72 min Scan# 1984

Delta R.T. -0.08 min

Lab File: VU041072.D

Acq: 03 Nov 2020 12:41

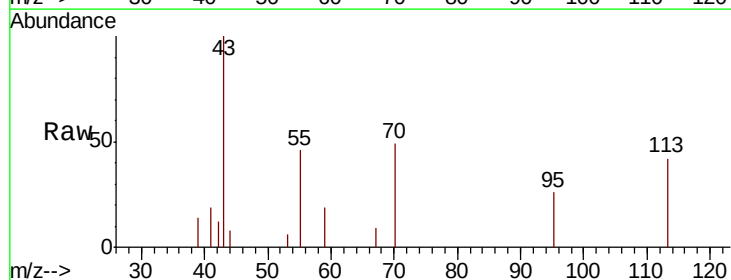
Tgt Ion: 43 Resp: 3605

Ion Ratio Lower Upper

43 100

58 0.0 29.8 44.6#

100 0.0 10.5 15.7#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 100.15 (99.85 to 100.85): VU0

2500

2000

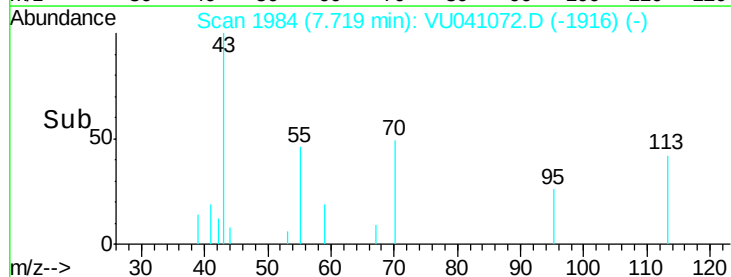
1500

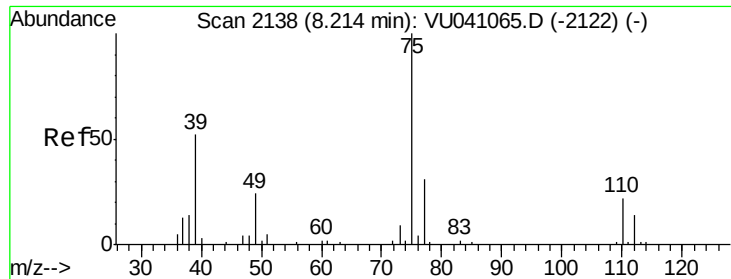
1000

500

0

Time--> 7.65 7.70 7.75





#44

trans-1,3-Dichloropropene

Concen: 0.074 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041072.D

Acq: 03 Nov 2020 12:41

Instrument :

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ClientSampleId :

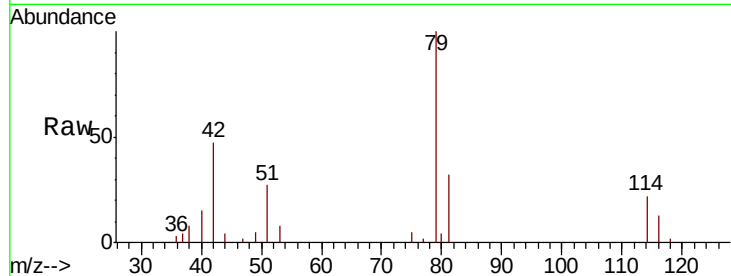
BFST0

Tot Ion: 75 Resp: 428

Ion Ratio Lower Upper

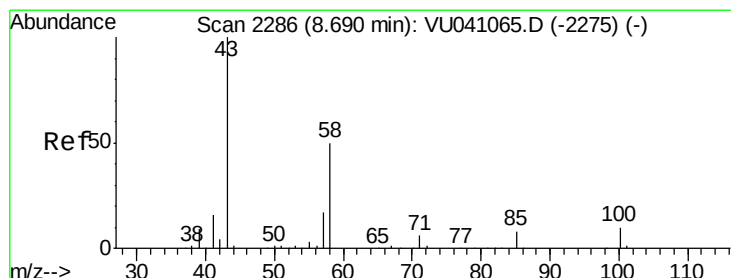
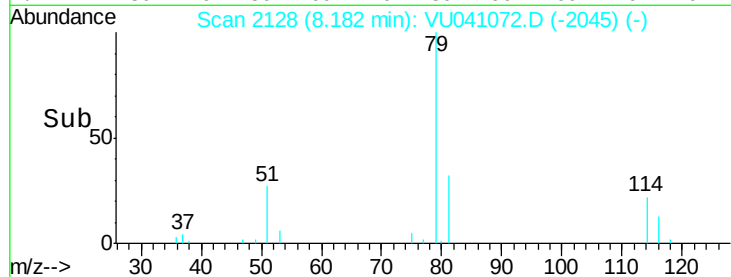
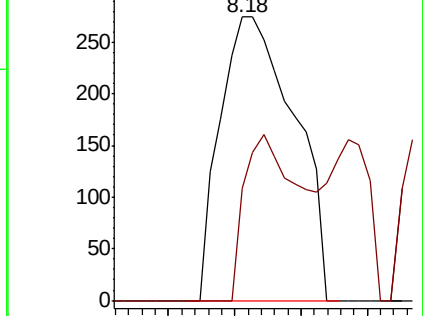
75 100

77 39.8 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#48

2-Hexanone

Concen: 2.889 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU041072.D

Acq: 03 Nov 2020 12:41

Tgt Ion: 43 Resp: 7792

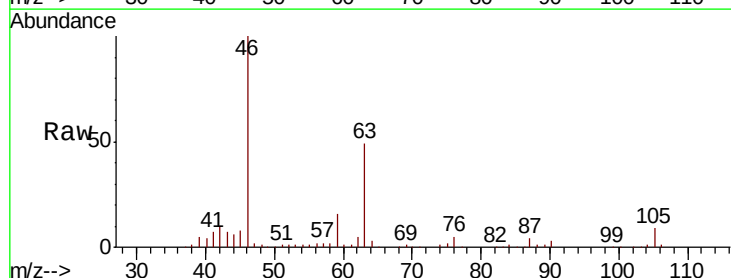
Ion Ratio Lower Upper

43 100

58 29.4 41.4 62.2#

57 29.3 14.6 21.8#

100 0.5 8.3 12.5#

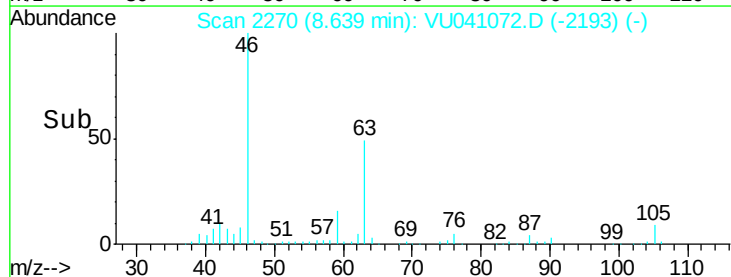
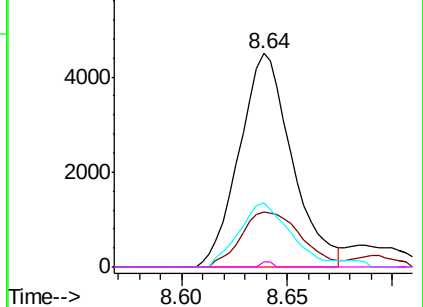


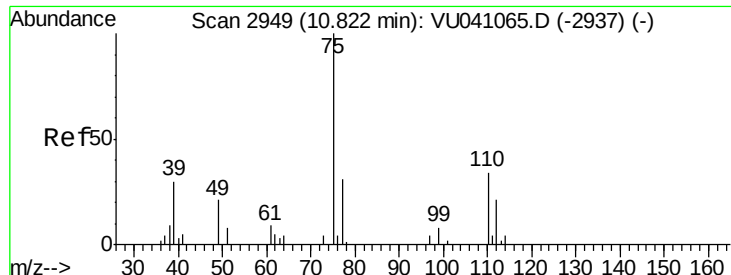
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#59

1,2,3-Trichloropropane

Concen: 1.011 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041072.D

Acq: 03 Nov 2020 12:41

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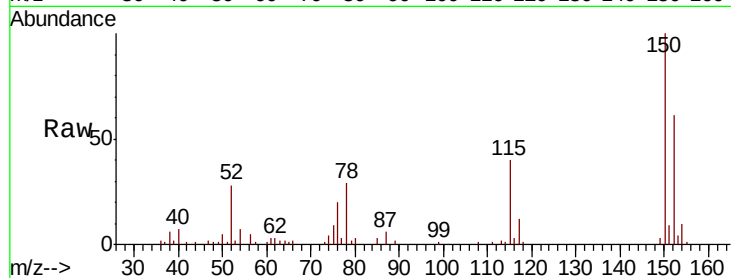
BFST0

Tot Ion: 75 Resp: 3386

Ion Ratio Lower Upper

75 100

77 35.3 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

