

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062320\
 Data File : VU039052.D
 Acq On : 23 Jun 2020 20:02
 Operator : SY/MD
 Sample : L3061-05RE
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXJ2

Quant Time: Jun 24 01:16:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 24 01:05:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	273078	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	266778	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	123067	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	116447	5.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	116.40%
7) Chloroethane-d5	1.93	69	98452	5.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	119.20%
11) 1,1-Dichloroethene-d2	2.59	63	164445	4.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.60%
20) 2-Butanone-d5	4.67	46	431451	59.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.56%
24) Chloroform-d	5.10	84	211691	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
26) 1,2-Dichloroethane-d4	5.74	65	130460	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
32) Benzene-d6	5.76	84	423537	5.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.60%
36) 1,2-Dichloropropane-d6	6.72	67	140387	5.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.00%
41) Toluene-d8	7.92	98	352584	5.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.00%
43) trans-1,3-Dichloropropene-	8.20	79	56589	5.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.80%
46) 2-Hexanone-d5	8.65	63	329195	59.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.08%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	126621	5.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	127629	5.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.40%

Target Compounds

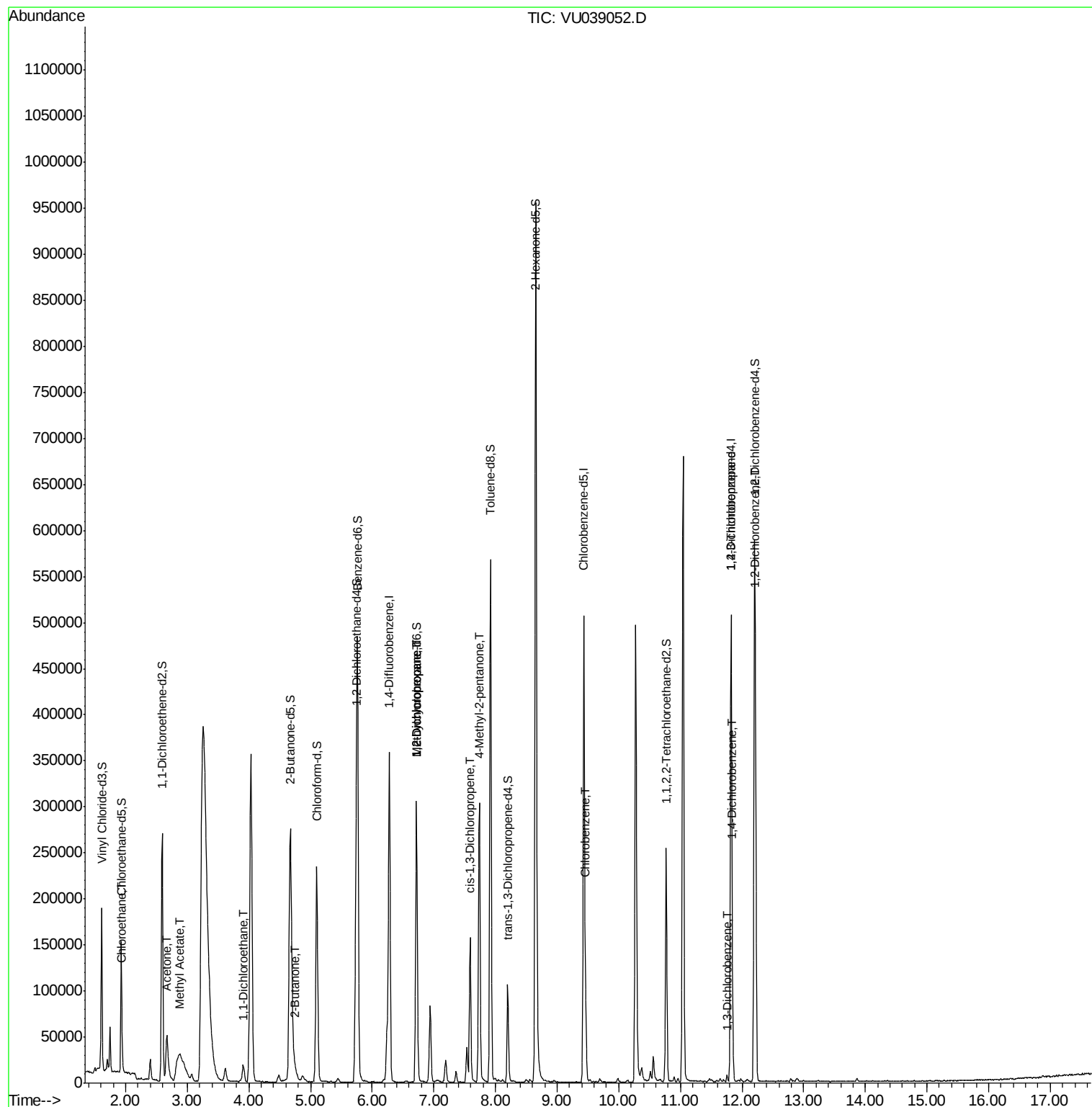
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	2515	0.157	ug/L #	73
13) Acetone	2.67	43	89050	18.170	ug/L	99
15) Methyl Acetate	2.88	43	3511	0.302	ug/L #	56
19) 1,1-Dichloroethane	3.91	63	21801	0.542	ug/L	95
21) 2-Butanone	4.75	43	9814	1.317	ug/L	95
35) Methylcyclohexane	6.72	83	32337	1.075	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	14984	0.660	ug/L #	31
39) cis-1,3-Dichloropropene	7.59	75	4092	0.130	ug/L #	67
40) 4-Methyl-2-pentanone	7.74	43	138525	8.173	ug/L #	46
51) Chlorobenzene	9.46	112	36608	0.699	ug/L	98
59) 1,2,3-Trichloropropane	11.82	75	26468	1.546	ug/L #	84
62) 1,3-Dichlorobenzene	11.76	146	2821	0.077	ug/L	91
63) 1,4-Dichlorobenzene	11.85	146	25145	0.667	ug/L	93
65) 1,2-Dichlorobenzene	12.22	146	92237	2.514	ug/L	99

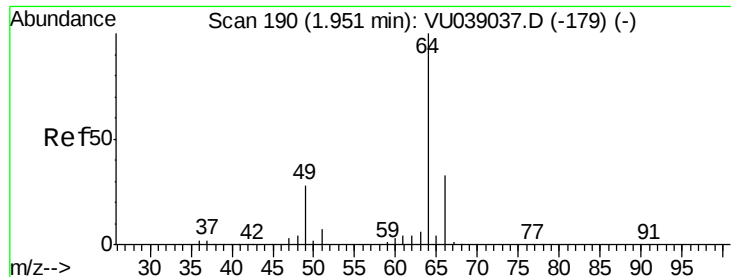
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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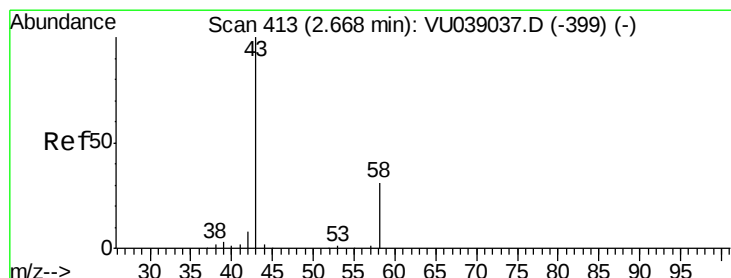
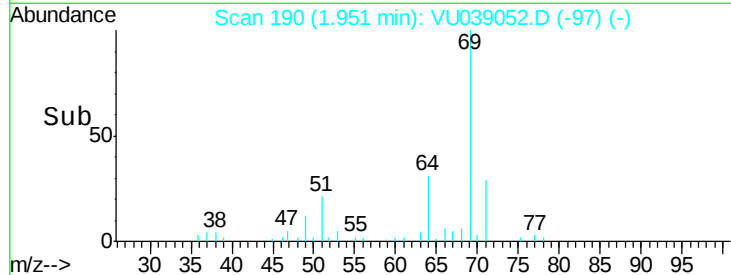
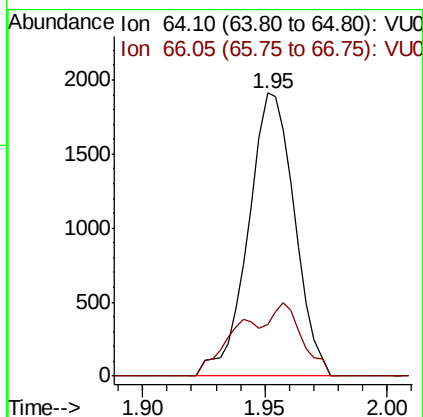
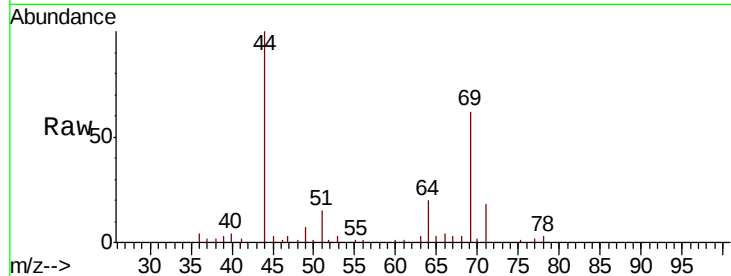




#8
 Chloroethane
 Concen: 0.157 ug/L
 RT: 1.95 min Scan# 190
 Delta R.T. 0.00 min
 Lab File: VU039052.D
 Acq: 23 Jun 2020 20:02

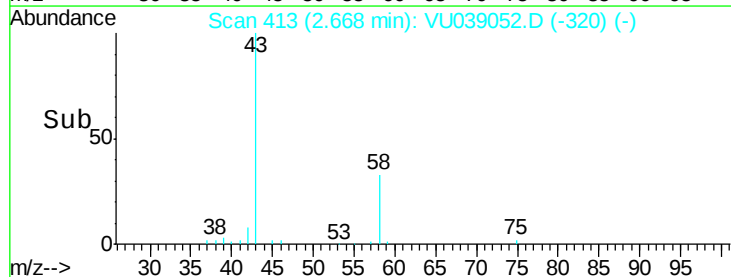
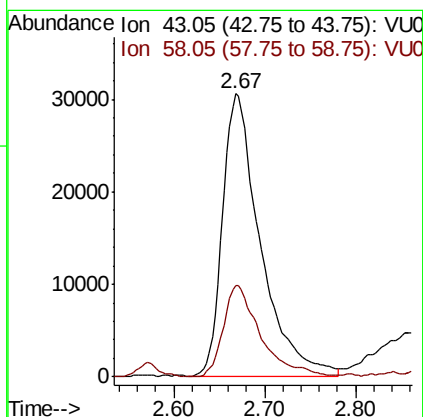
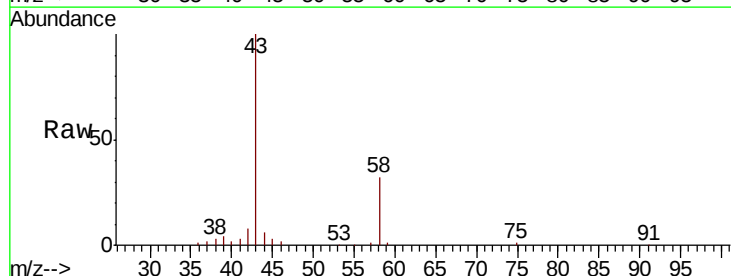
Instrument :
 MSVOA_U
 ClientSampleId :
 BFXJ2

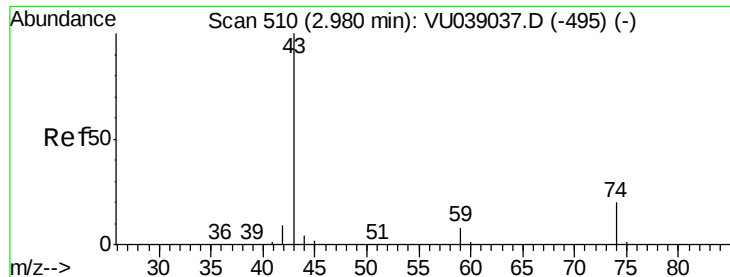
Tot Ion: 64 Resp: 2515
 Ion Ratio Lower Upper
 64 100
 66 18.3 23.4 43.4#



#13
 Acetone
 Concen: 18.170 ug/L
 RT: 2.67 min Scan# 413
 Delta R.T. 0.00 min
 Lab File: VU039052.D
 Acq: 23 Jun 2020 20:02

Tgt Ion: 43 Resp: 89050
 Ion Ratio Lower Upper
 43 100
 58 31.9 0.0 64.4





#15

Methvl Acetate

Concen: 0.302 ug/L

RT: 2.88 min Scan# 480

Delta R.T. -0.10 min

Lab File: VU039052.D

Acq: 23 Jun 2020 20:02

Instrument :

MSVOA_U

ClientSampleId :

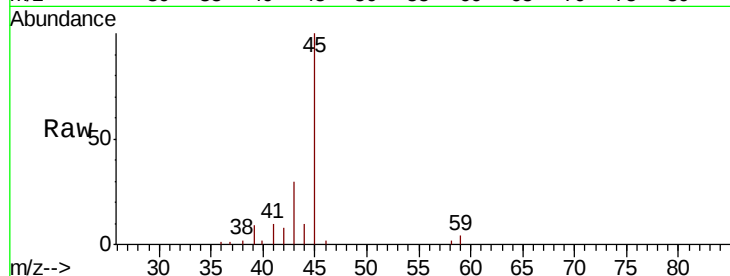
BFXJ2

Tot Ion: 43 Resp: 3511

Ion Ratio Lower Upper

43 100

74 0.5 17.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU039037.D (-495) (-)

Ion 74.05 (73.75 to 74.75): VU039037.D (-495) (-)

2.88

6000

5000

4000

3000

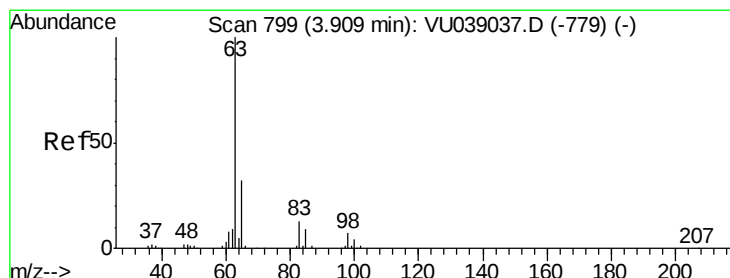
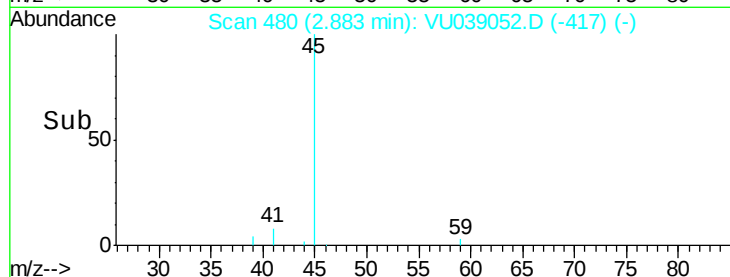
2000

1000

0

Time-->

2.86 2.88 2.90 2.92



#19

1,1-Dichloroethane

Concen: 0.542 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU039052.D

Acq: 23 Jun 2020 20:02

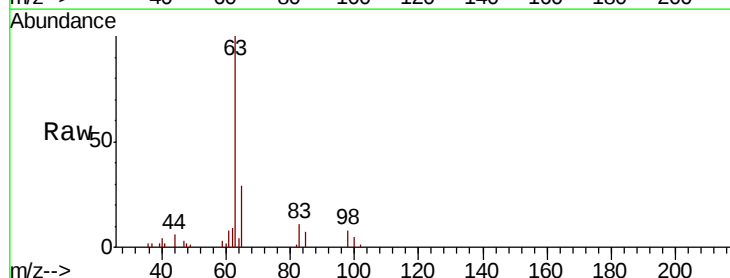
Tgt Ion: 63 Resp: 21801

Ion Ratio Lower Upper

63 100

65 28.7 22.1 41.1

83 11.4 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU039037.D (-779) (-)

Ion 65.10 (64.80 to 65.80): VU039037.D (-779) (-)

Ion 83.05 (82.75 to 83.75): VU039037.D (-779) (-)

3.91

12000

10000

8000

6000

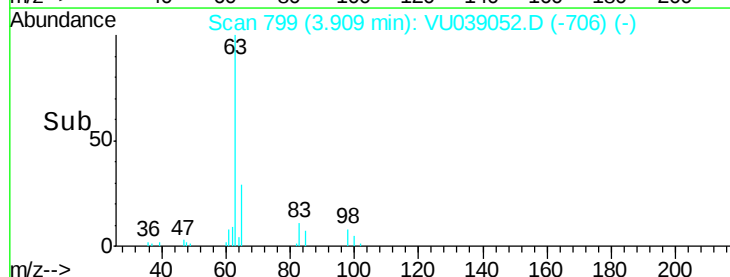
4000

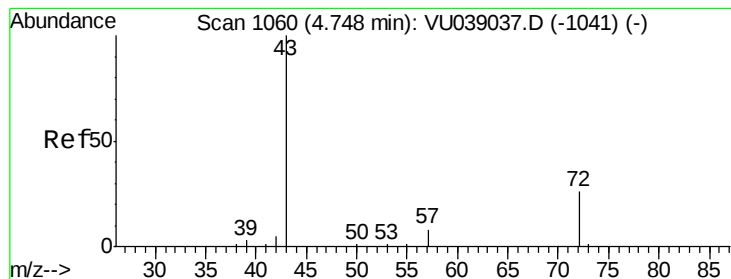
2000

0

Time-->

3.85 3.90 3.95 4.00





#21

2-Butanone

Concen: 1.317 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. 0.01 min

Lab File: VU039052.D

Acq: 23 Jun 2020 20:02

Instrument :

MSVOA_U

ClientSampleId :

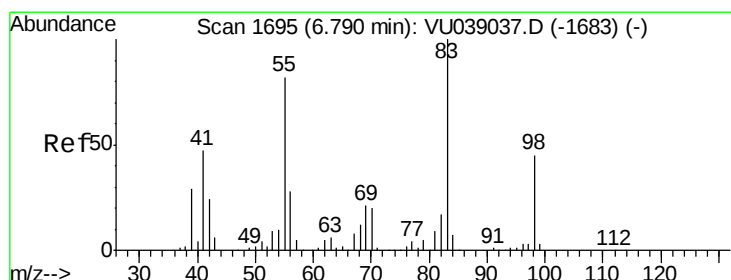
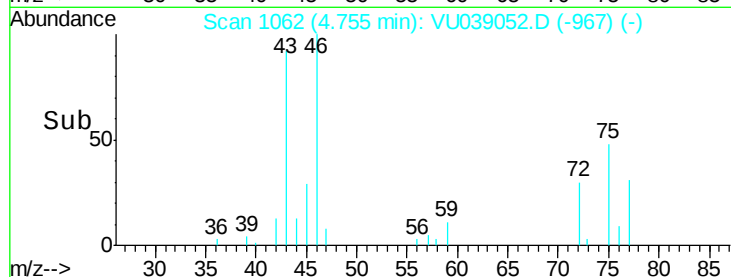
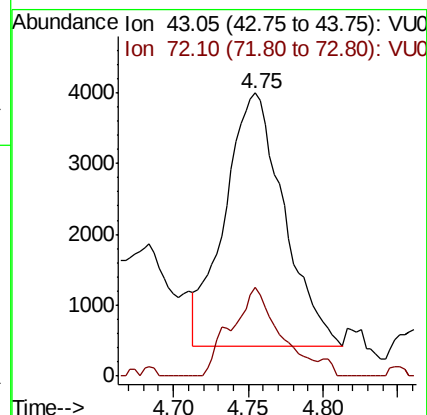
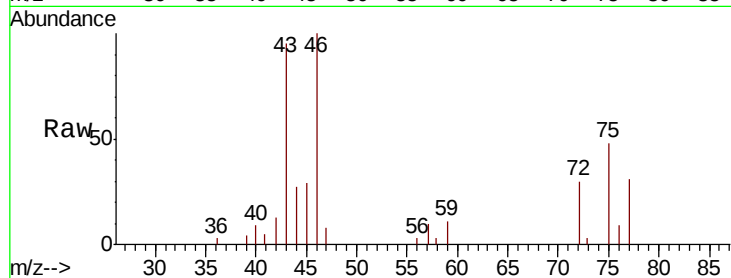
BFXJ2

Tot Ion: 43 Resp: 9814

Ion Ratio Lower Upper

43 100

72 28.9 13.1 39.3



#35

Methylcyclohexane

Concen: 1.075 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.07 min

Lab File: VU039052.D

Acq: 23 Jun 2020 20:02

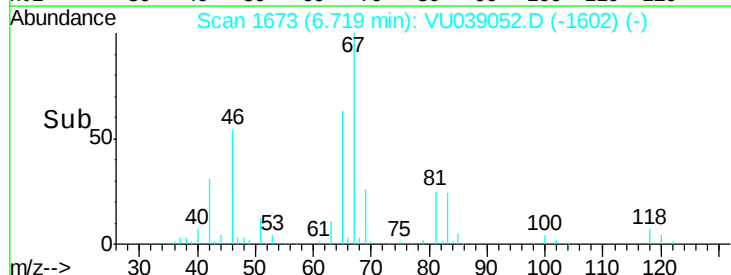
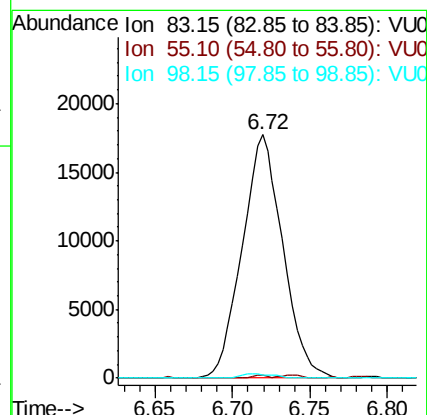
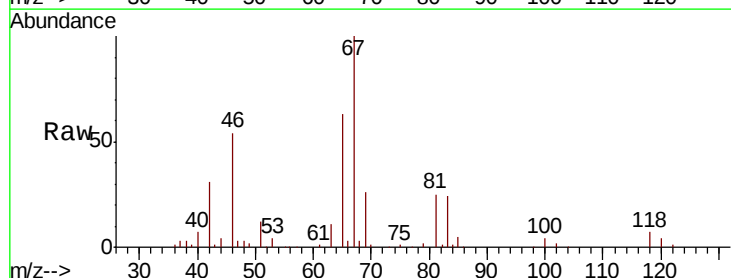
Tgt Ion: 83 Resp: 32337

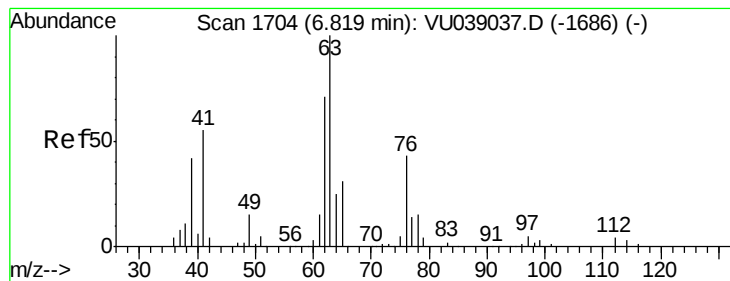
Ion Ratio Lower Upper

83 100

55 0.0 65.5 98.3#

98 1.4 36.5 54.7#





#37

1,2-Dichloropropane

Concen: 0.660 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.10 min

Lab File: VU039052.D

Acq: 23 Jun 2020 20:02

Instrument :

MSVOA_U

ClientSampleId :

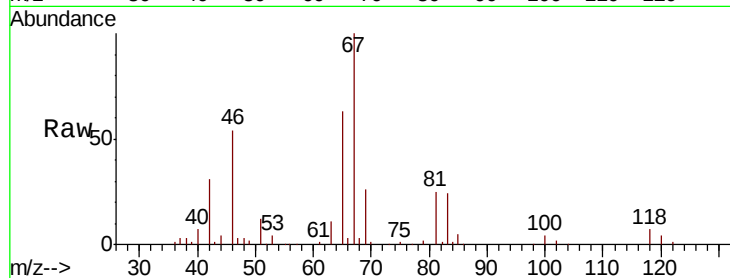
BFXJ2

Tot Ion: 63 Resp: 14984

Ion Ratio Lower Upper

63 100

112 27.0 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VU039037.D (-1686) (-)

Ion 112.10 (111.80 to 112.80): VU039037.D (-1686) (-)

6.72

8000

6000

4000

2000

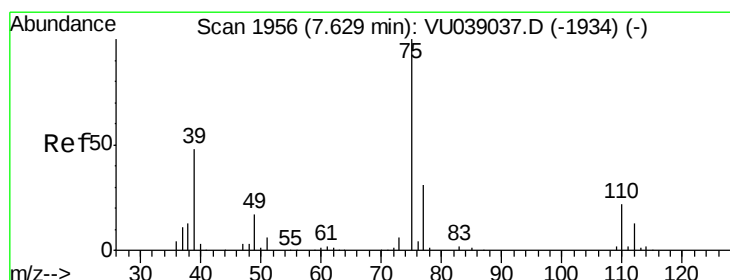
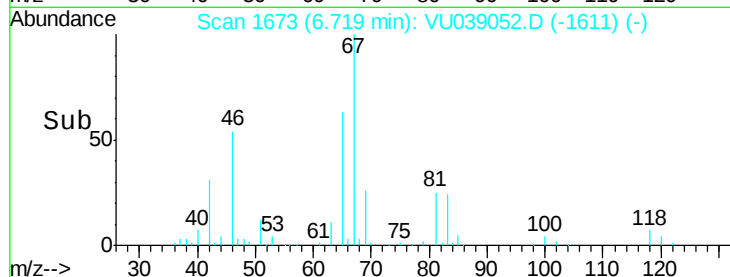
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Time-->

6.65

6.70

6.75



#39

cis-1,3-Dichloropropene

Concen: 0.130 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.04 min

Lab File: VU039052.D

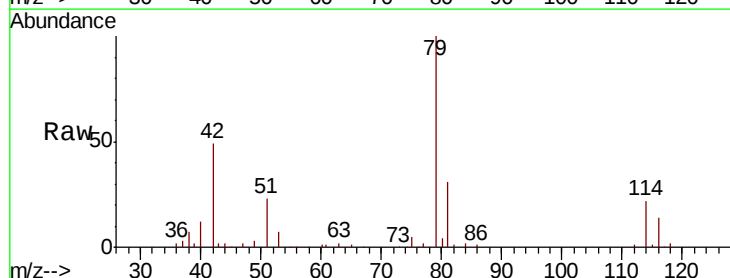
Acq: 23 Jun 2020 20:02

Tgt Ion: 75 Resp: 4092

Ion Ratio Lower Upper

75 100

77 49.0 21.6 40.0#



Abundance Ion 75.05 (74.75 to 75.75): VU039037.D (-1934) (-)

Ion 77.05 (76.75 to 77.75): VU039037.D (-1934) (-)

7.59

2500

2000

1500

1000

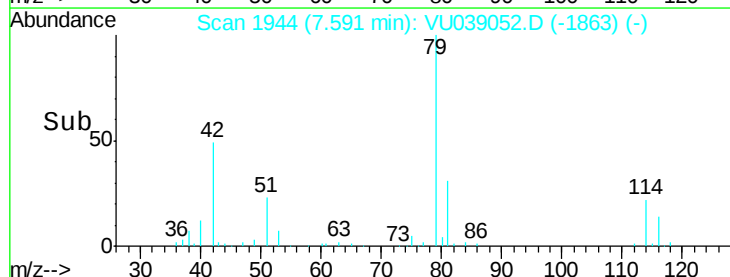
500

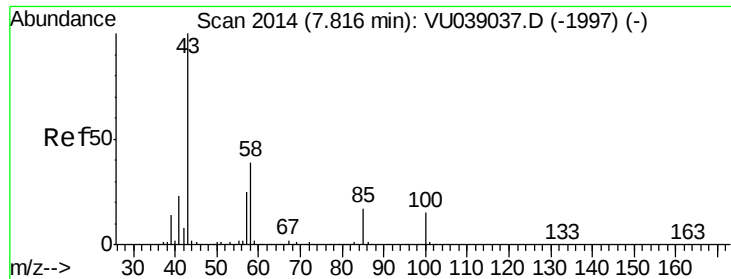
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Time-->

7.55

7.60

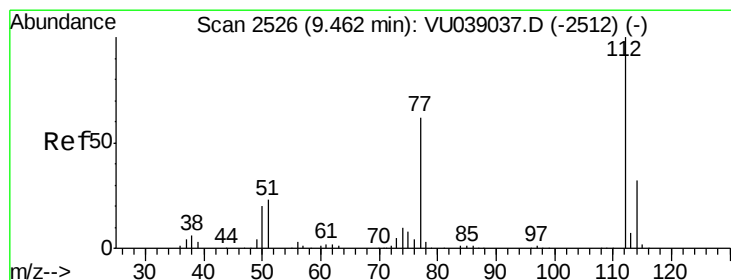
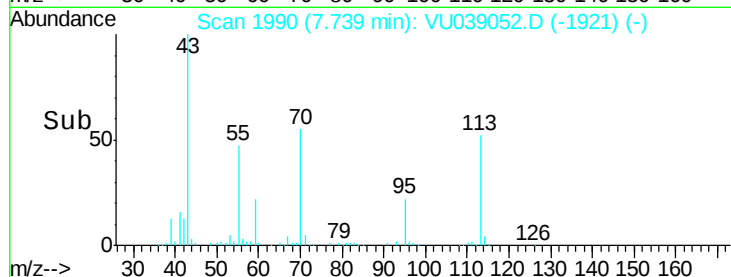
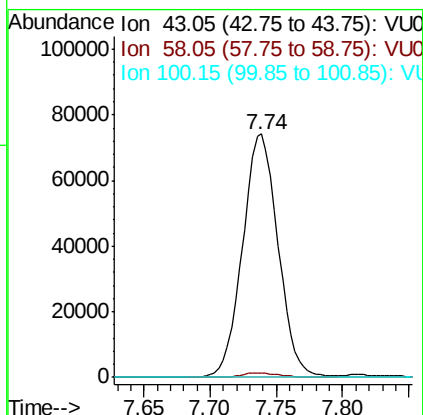
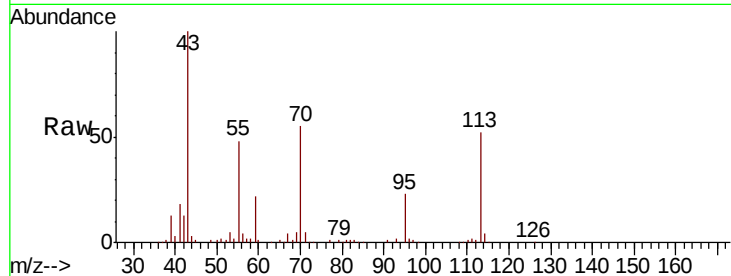




#40
 4-Methyl-2-pentanone
 Concen: 8.173 ug/L
 RT: 7.74 min Scan# 1990
 Delta R.T. -0.08 min
 Lab File: VU039052.D
 Acq: 23 Jun 2020 20:02

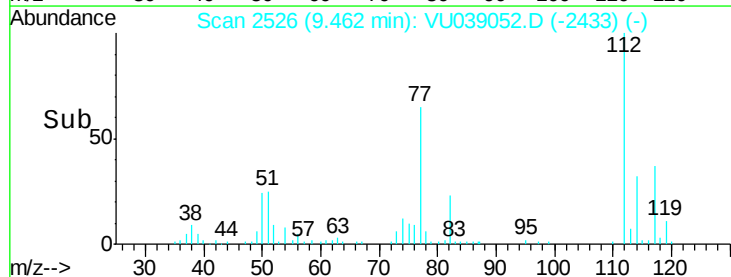
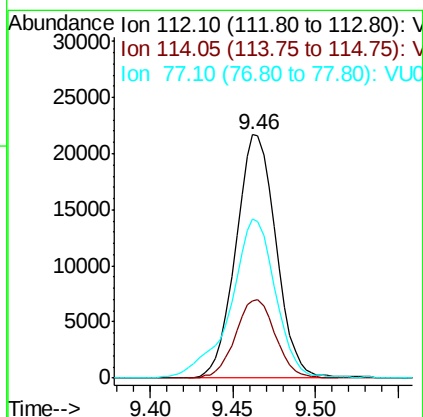
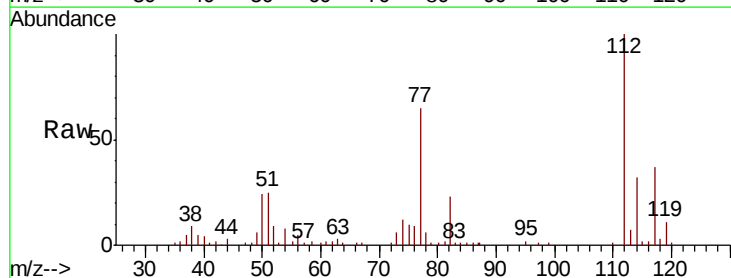
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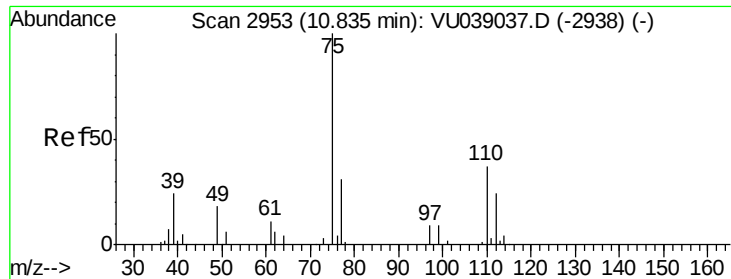
Tot Ion	Ratio	Lower	Upper
43	100		
58	1.9	31.3	46.9#
100	0.0	11.6	17.4#



#51
 Chlorobenzene
 Concen: 0.699 ug/L
 RT: 9.46 min Scan# 2526
 Delta R.T. 0.00 min
 Lab File: VU039052.D
 Acq: 23 Jun 2020 20:02

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.0	41.0
77	65.4	50.2	75.4

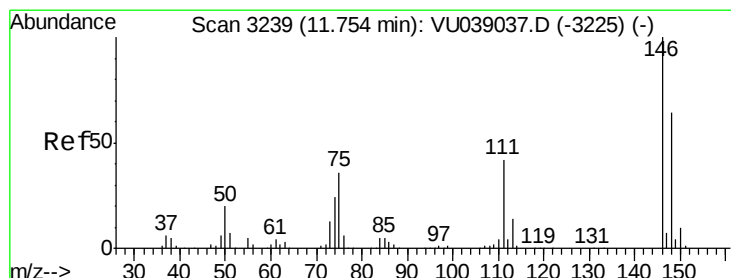
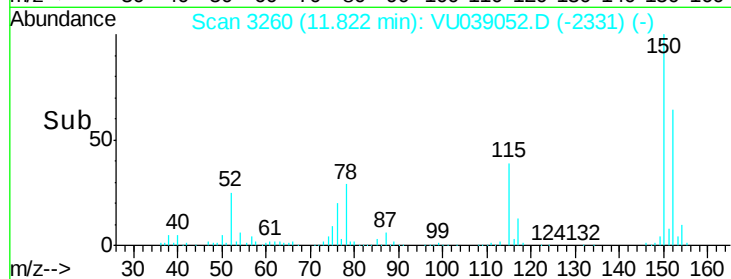
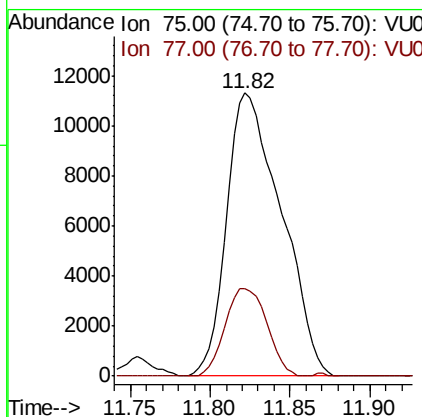
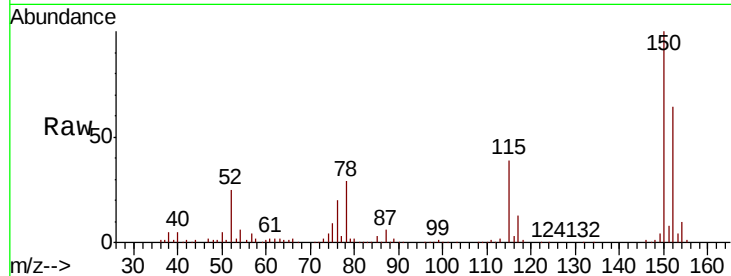




#59
 1,2,3-Trichloropropane
 Concen: 1.546 ug/L
 RT: 11.82 min Scan# 3260
 Delta R.T. 0.99 min
 Lab File: VU039052.D
 Acq: 23 Jun 2020 20:02

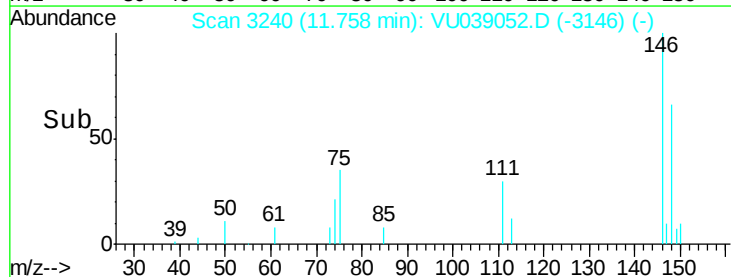
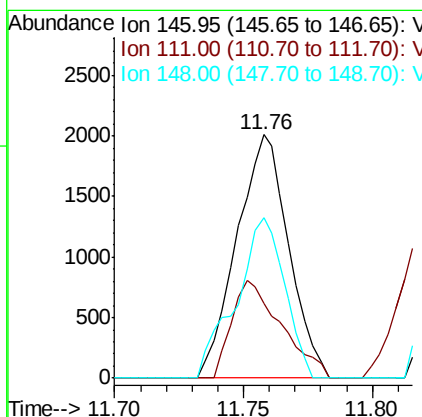
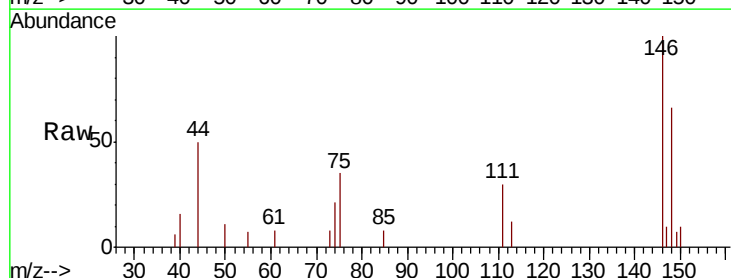
Instrument :
 MSVOA_U
 ClientSampled :
 BFXJ2

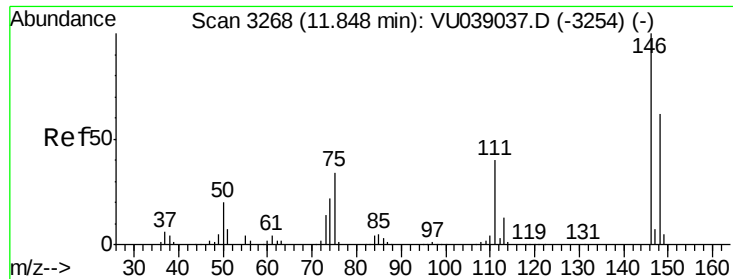
Tot Ion: 75 Resp: 26468
 Ion Ratio Lower Upper
 75 100
 77 23.7 26.2 39.2#



#62
 1,3-Dichlorobenzene
 Concen: 0.077 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU039052.D
 Acq: 23 Jun 2020 20:02

Tgt Ion: 146 Resp: 2821
 Ion Ratio Lower Upper
 146 100
 111 30.4 29.5 54.9
 148 65.6 44.5 82.7





#63

1,4-Dichlorobenzene

Concen: 0.667 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. 0.00 min

Lab File: VU039052.D

Acq: 23 Jun 2020 20:02

Instrument :

MSVOA_U

ClientSampleId :

BFXJ2

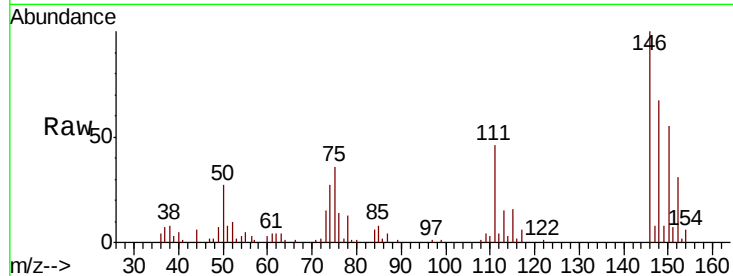
Tot Ion:146 Resp: 25145

Ion Ratio Lower Upper

146 100

111 46.1 28.4 52.8

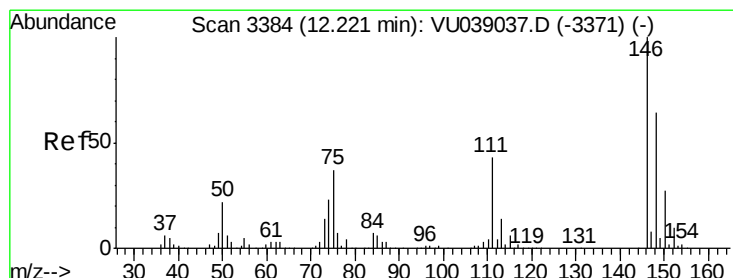
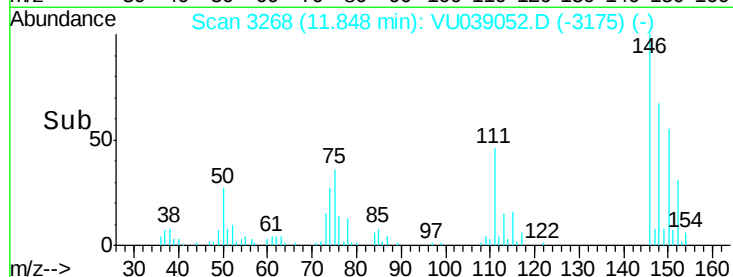
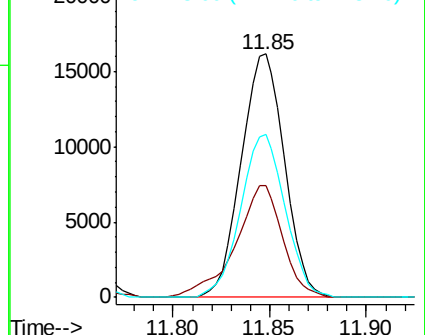
148 66.9 43.4 80.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 2.514 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU039052.D

Acq: 23 Jun 2020 20:02

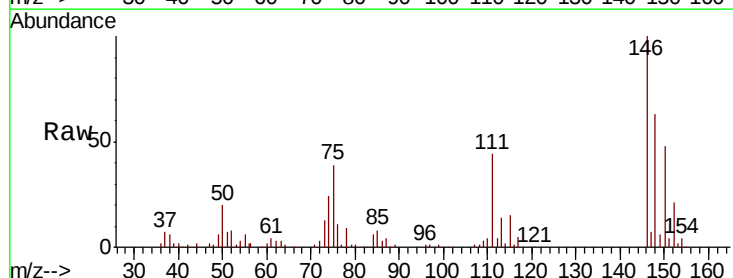
Tgt Ion:146 Resp: 92237

Ion Ratio Lower Upper

146 100

111 44.4 34.7 52.1

148 62.6 50.9 76.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

