

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101120\
 Data File : VU040640.D
 Acq On : 10 Oct 2020 17:28
 Operator : SY/MD
 Sample : L4349-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFZS0

Quant Time: Oct 12 07:15:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 12 07:06:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	126721	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	128244	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	58366	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	39357	3.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.00%
7) Chloroethane-d5	1.92	69	34263	4.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.60%
11) 1,1-Dichloroethene-d2	2.58	63	61347	2.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.80%#
20) 2-Butanone-d5	4.65	46	172567	51.36	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.72%
24) Chloroform-d	5.08	84	84938	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.72	65	53056	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	5.74	84	159065	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.70	67	53787	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.91	98	132257	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloropropene-	8.19	79	21625	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.64	63	123656	49.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.66%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48602	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	55872	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

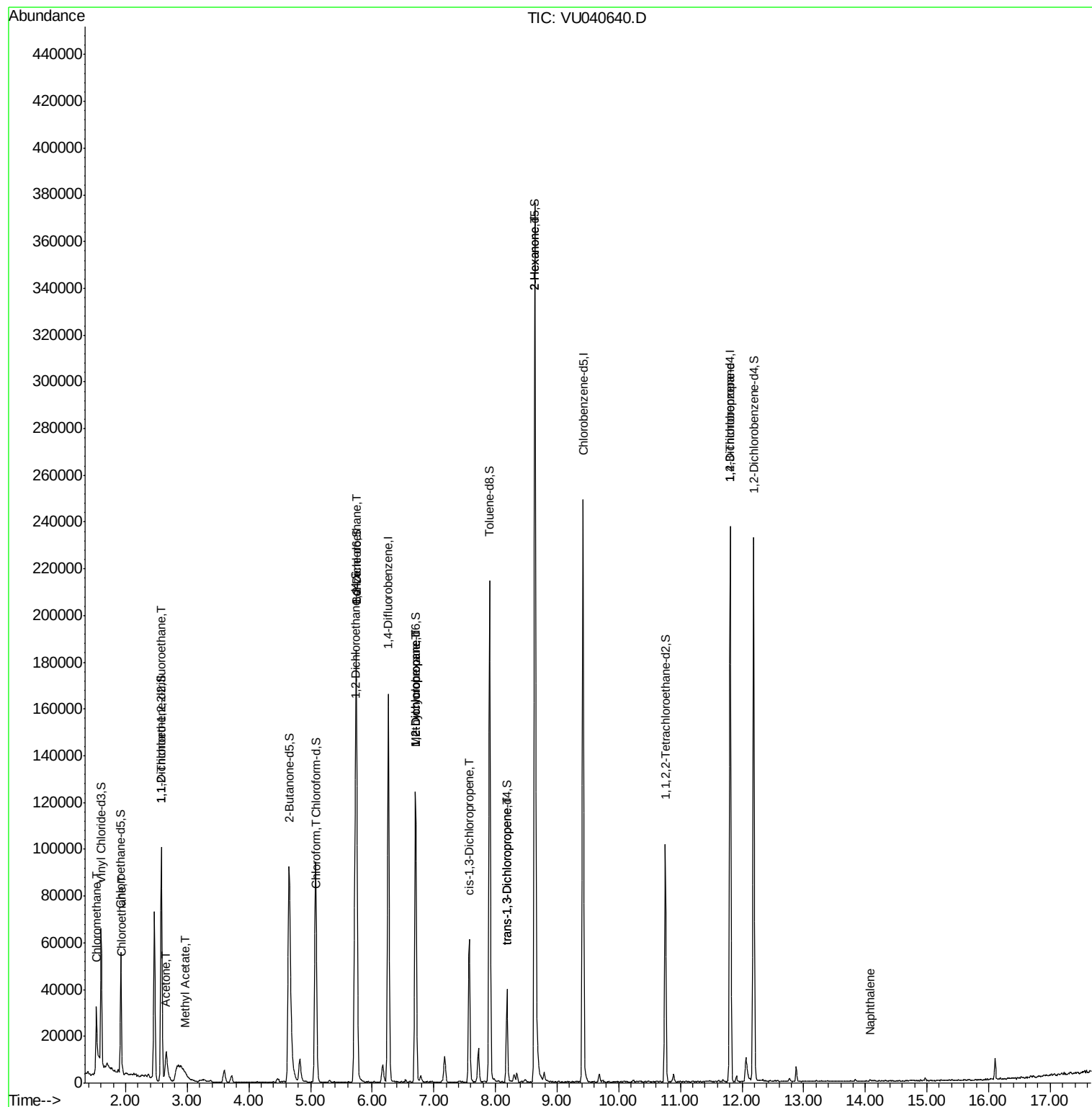
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	14837	1.382	ug/L	99
8) Chloroethane	1.94	64	1195	0.166	ug/L	86
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	540	0.051	ug/L #	20
13) Acetone	2.66	43	23335	8.959	ug/L	93
15) Methyl Acetate	2.97	43	1178	0.198	ug/L #	56
25) Chloroform	5.11	83	1742	0.087	ug/L	89
27) 1,2-Dichloroethane	5.74	62	922	0.065	ug/L #	77
35) Methylcyclohexane	6.70	83	13291	0.878	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6104	0.532	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1596	0.102	ug/L #	32
44) trans-1,3-Dichloropropene	8.19	75	950	0.066	ug/L #	72
48) 2-Hexanone	8.64	43	17954	2.635	ug/L #	71
59) 1,2,3-Trichloropropane	11.81	75	7979	0.946	ug/L	95
69) Naphthalene	14.07	128	800	0.047	ug/L #	69

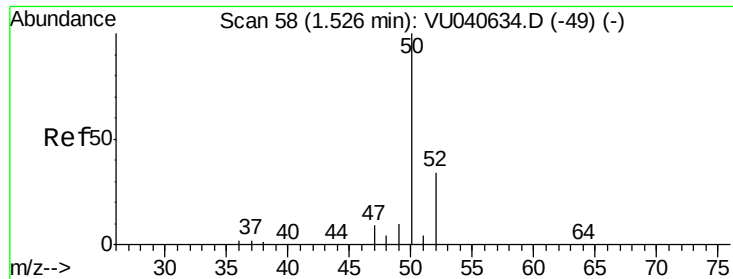
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 12 07:06:57 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 1.382 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040640.D

Acq: 10 Oct 2020 17:28

Instrument :

MSVOA_U

ClientSampleID :

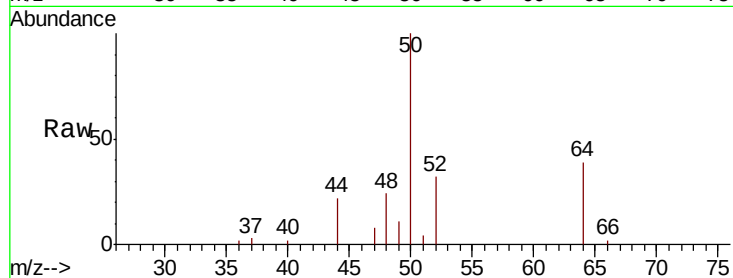
BFZS0

Tot Ion: 50 Resp: 14837

Ion Ratio Lower Upper

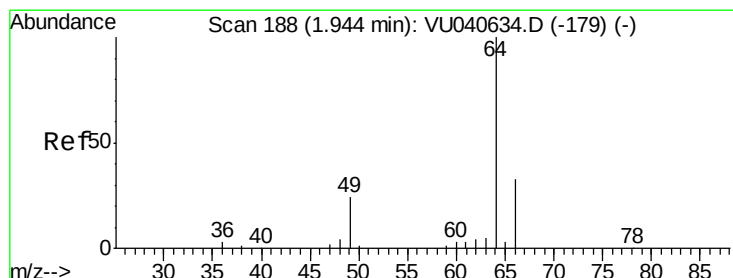
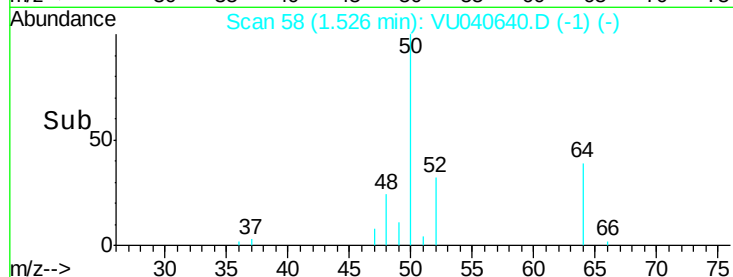
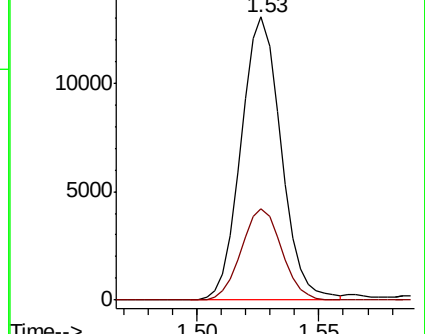
50 100

52 32.1 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040634.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040634.D (-49) (-)



#8

Chloroethane

Concen: 0.166 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040640.D

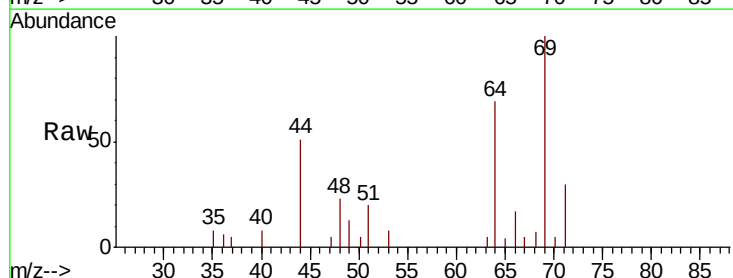
Acq: 10 Oct 2020 17:28

Tgt Ion: 64 Resp: 1195

Ion Ratio Lower Upper

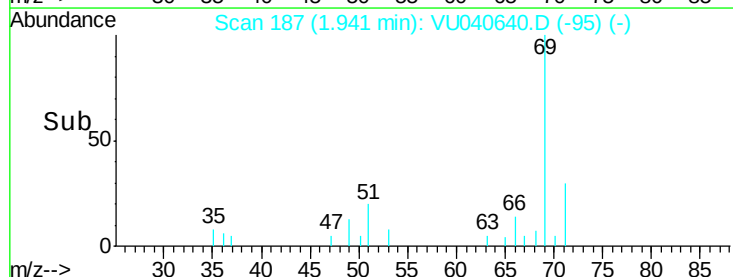
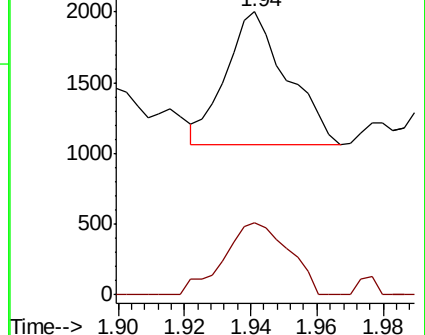
64 100

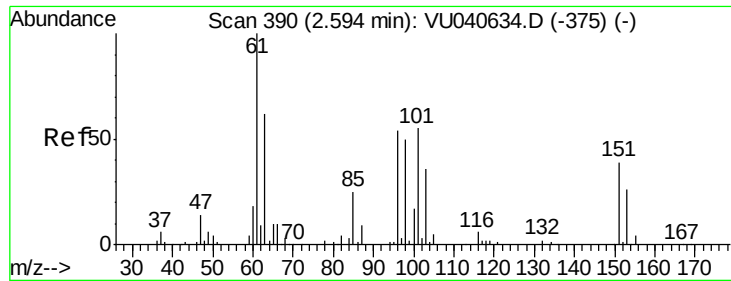
66 25.4 23.3 43.3



Abundance Ion 64.10 (63.80 to 64.80): VU040634.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU040634.D (-179) (-)





#10

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

Concen: 0.051 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU040640.D

Acq: 10 Oct 2020 17:28

Instrument :

MSVOA_U

ClientSampleId :

BFZS0

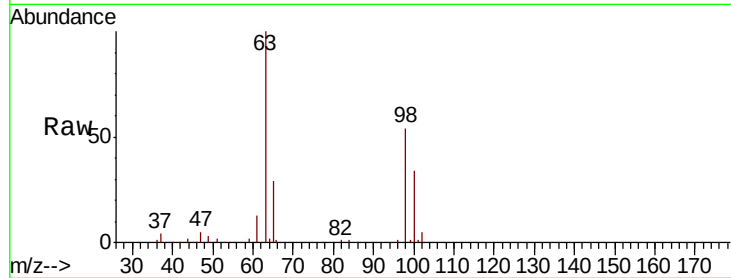
Tot Ion:101 Resp: 540

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

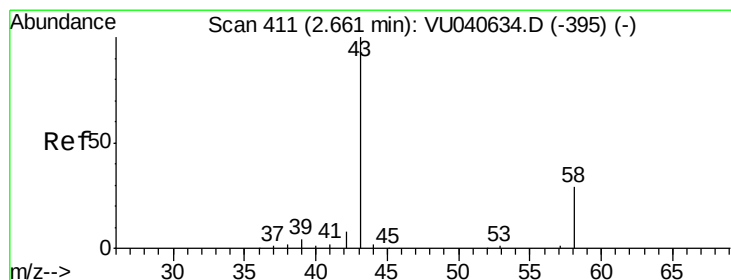
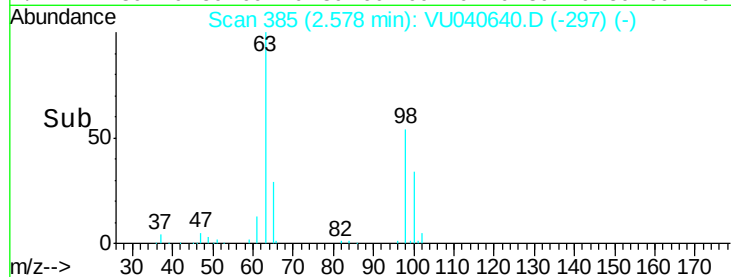
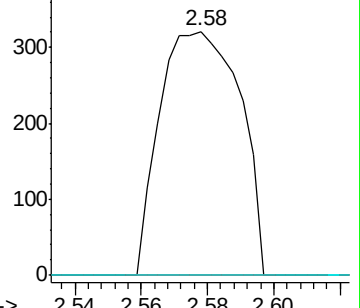
151 0.0 58.0 87.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 8.959 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.00 min

Lab File: VU040640.D

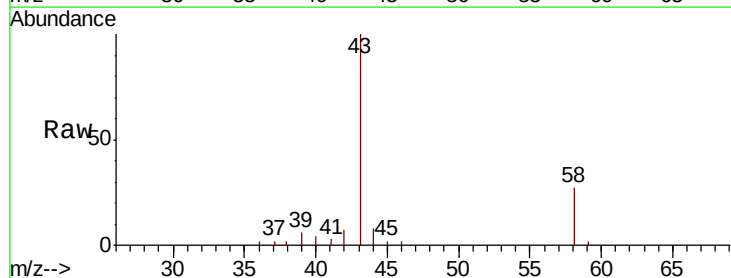
Acq: 10 Oct 2020 17:28

Tgt Ion: 43 Resp: 23335

Ion Ratio Lower Upper

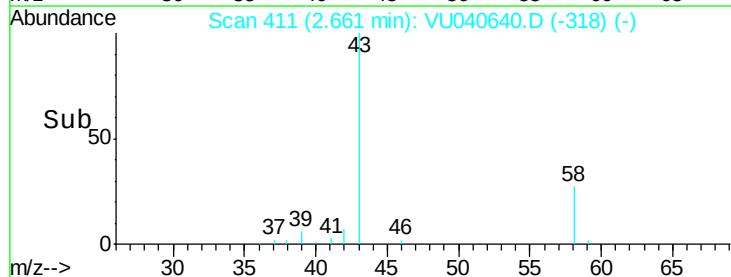
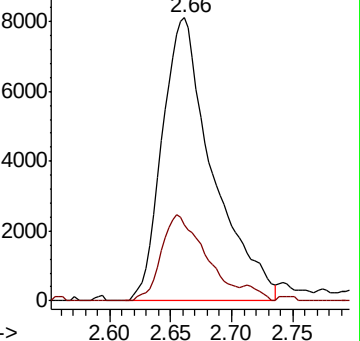
43 100

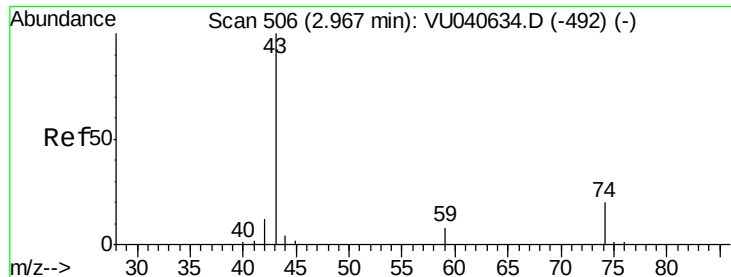
58 26.6 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

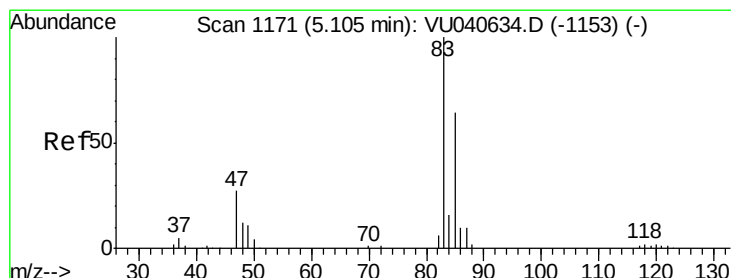
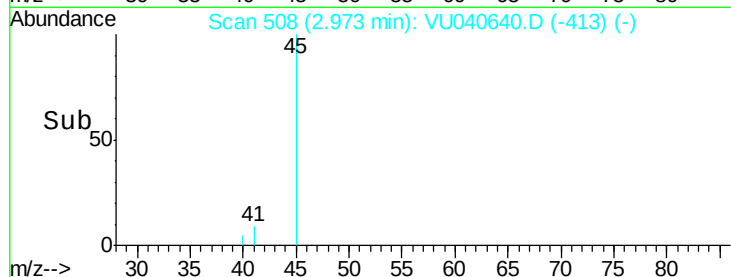
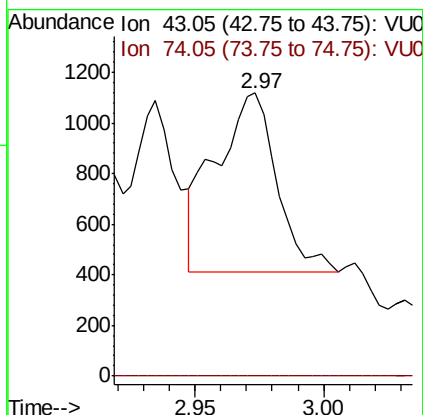
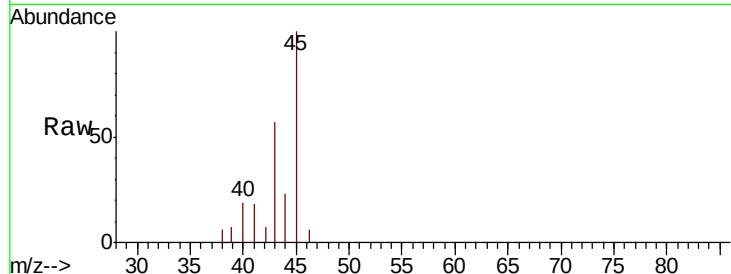




#15
Methvl Acetate
Concen: 0.198 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.01 min
Lab File: VU040640.D
Acq: 10 Oct 2020 17:28

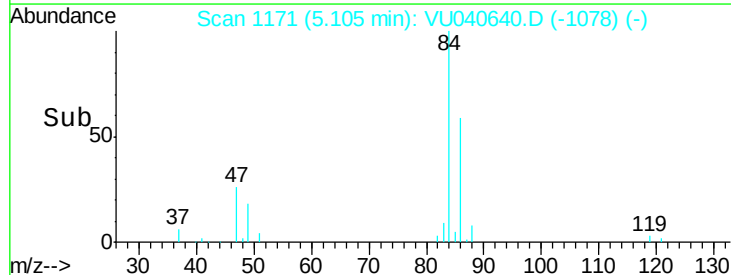
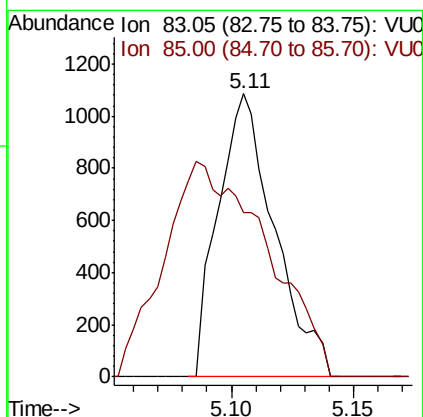
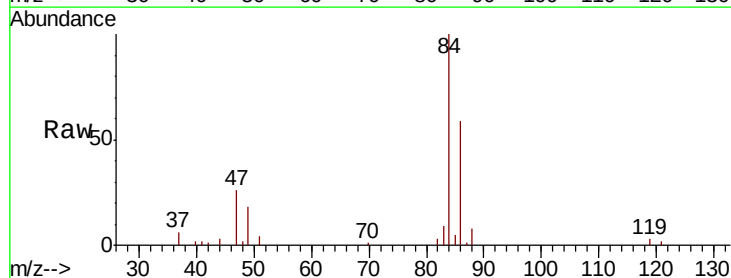
Instrument :
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ClientSampleId :
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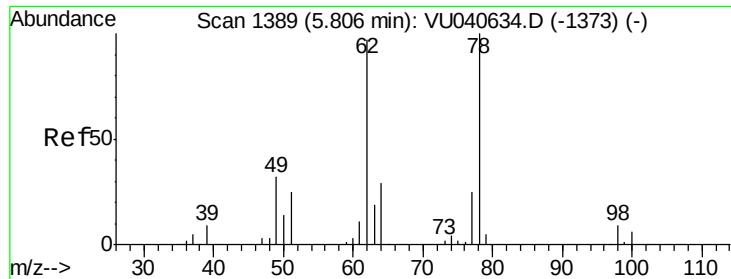
Tot Ion: 43 Resp: 1178
Ion Ratio Lower Upper
43 100
74 0.0 16.5 24.7#



#25
Chloroform
Concen: 0.087 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040640.D
Acq: 10 Oct 2020 17:28

Tgt Ion: 83 Resp: 1742
Ion Ratio Lower Upper
83 100
85 57.8 46.5 86.5

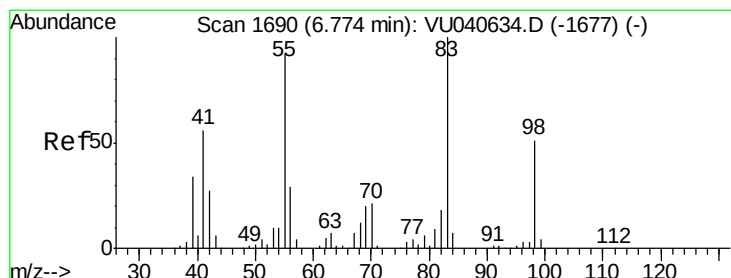
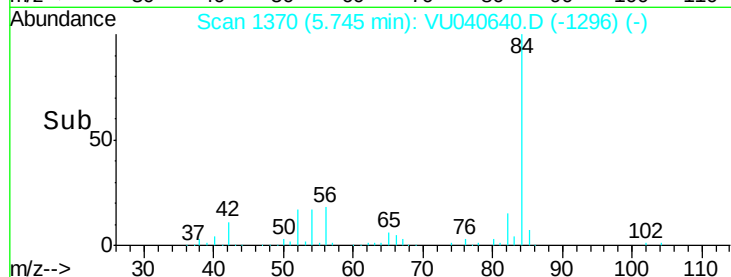
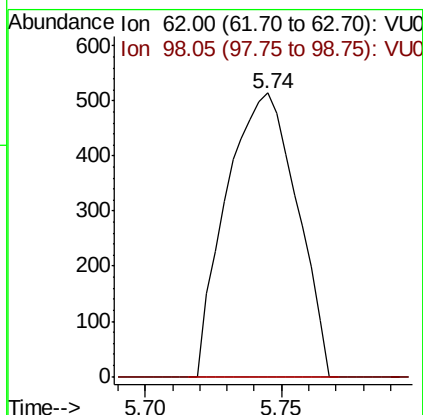
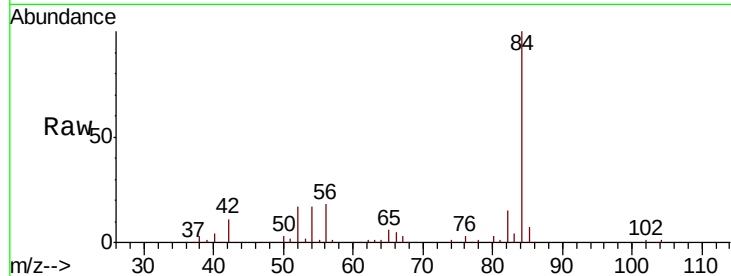




#27
 1,2-Dichloroethane
 Concen: 0.065 ug/L
 RT: 5.74 min Scan# 1370
 Delta R.T. -0.06 min
 Lab File: VU040640.D
 Acq: 10 Oct 2020 17:28

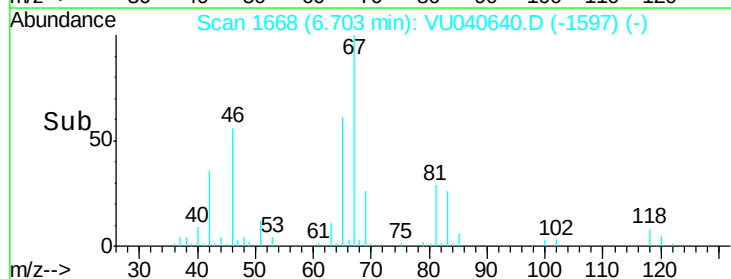
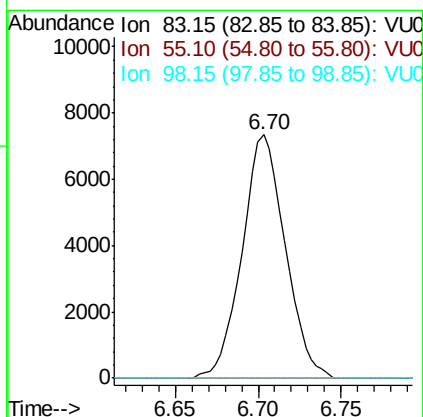
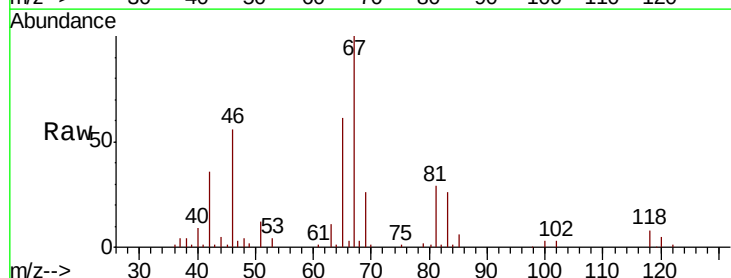
Instrument :
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 ClientSampleId :
 BFZS0

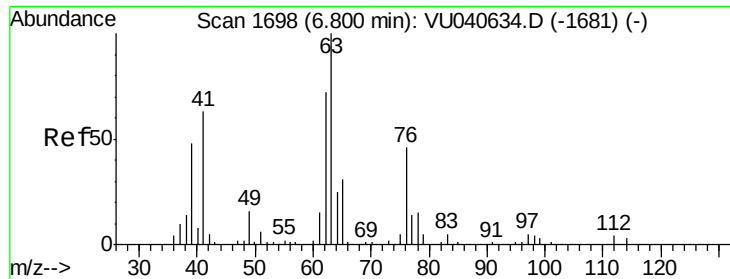
Tot Ion: 62 Resp: 922
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#35
 Methylcyclohexane
 Concen: 0.878 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU040640.D
 Acq: 10 Oct 2020 17:28

Tgt Ion: 83 Resp: 13291
 Ion Ratio Lower Upper
 83 100
 55 0.0 70.7 106.1#
 98 1.2 38.4 57.6#

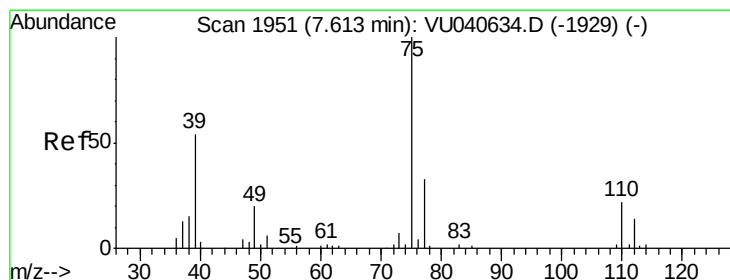
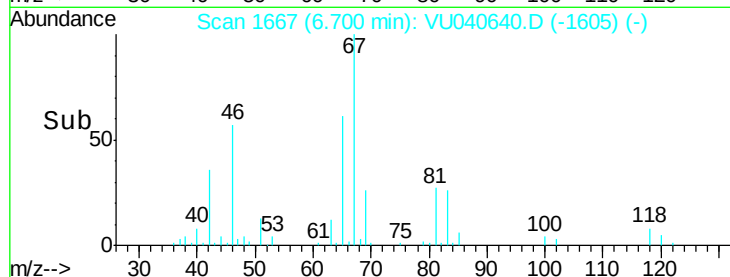
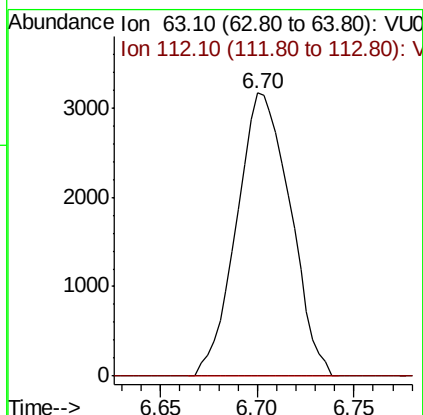
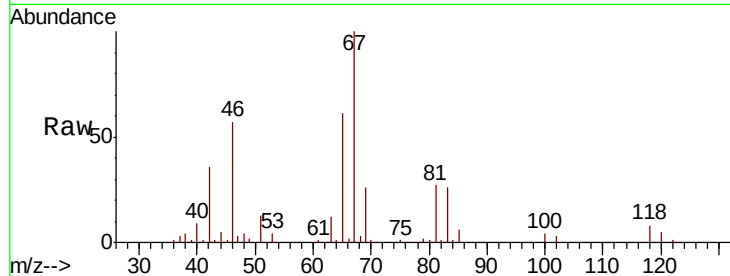




#37
 1,2-Dichloropropane
 Concen: 0.532 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU040640.D
 Acq: 10 Oct 2020 17:28

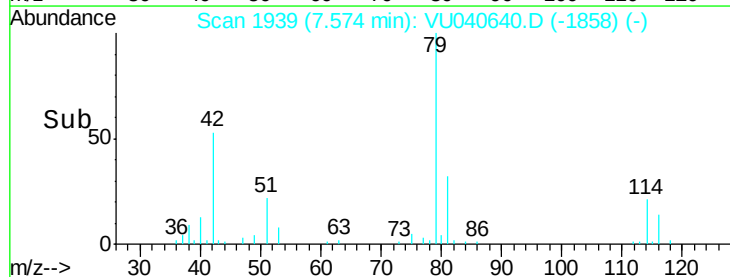
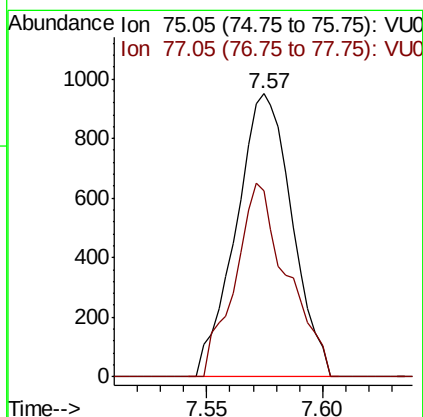
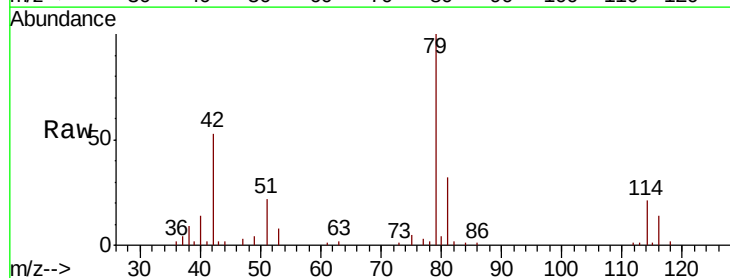
Instrument :
 MSVOA_U
 ClientSampleId :
 BFZS0

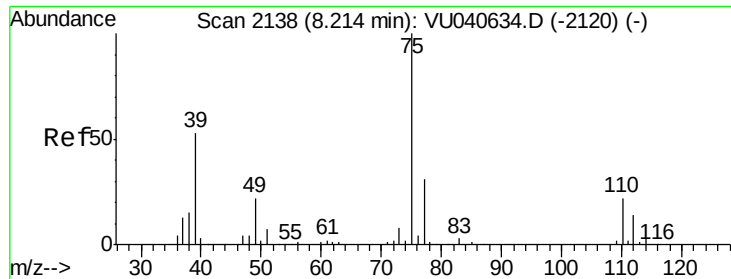
Tot Ion: 63 Resp: 6104
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.102 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040640.D
 Acq: 10 Oct 2020 17:28

Tgt Ion: 75 Resp: 1596
 Ion Ratio Lower Upper
 75 100
 77 65.9 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.066 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040640.D

Acq: 10 Oct 2020 17:28

Instrument :

MSVOA_U

ClientSampleId :

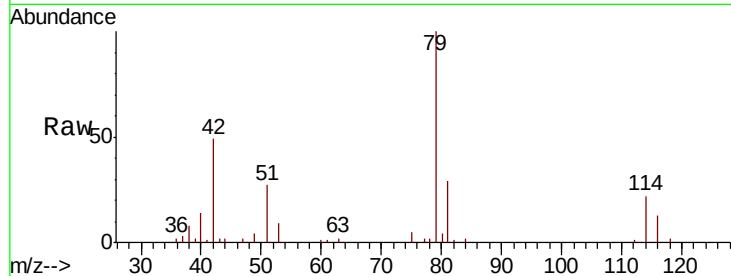
BFZS0

Tot Ion: 75 Resp: 950

Ion Ratio Lower Upper

75 100

77 44.2 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.19

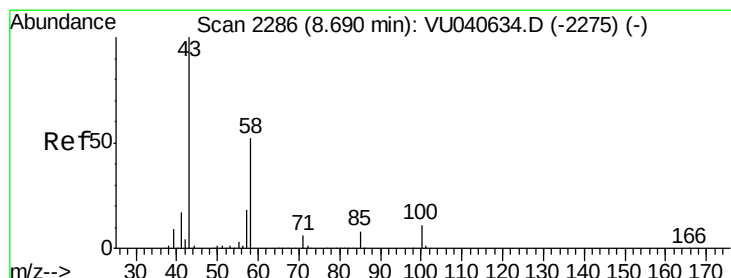
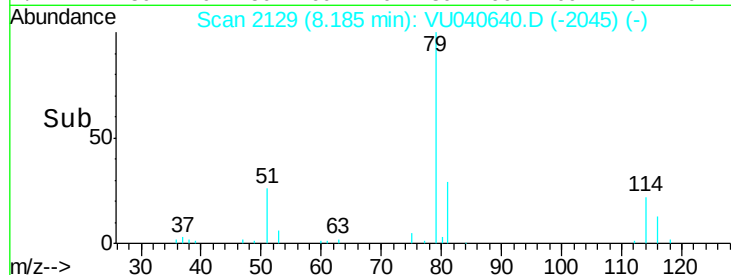
600

400

200

0

Time--> 8.14 8.16 8.18 8.20 8.22



#48

2-Hexanone

Concen: 2.635 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU040640.D

Acq: 10 Oct 2020 17:28

Tgt Ion: 43 Resp: 17954

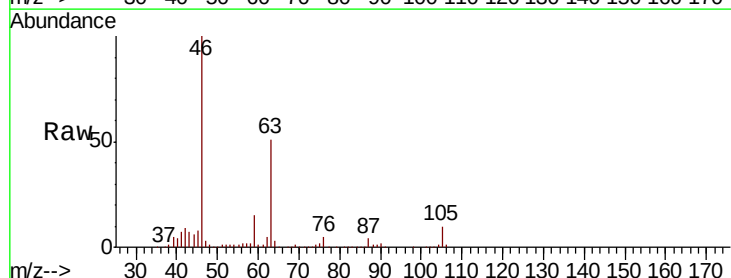
Ion Ratio Lower Upper

43 100

58 30.7 41.0 61.6#

57 30.5 14.4 21.6#

100 0.3 8.6 13.0#



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

8.64

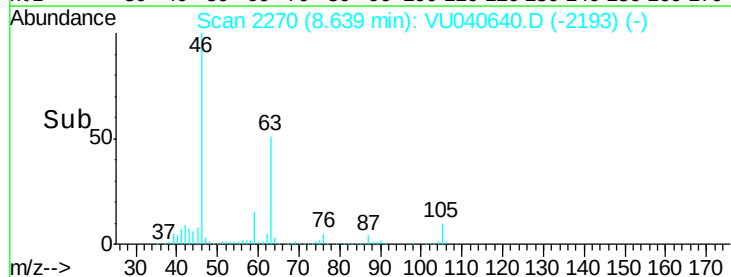
15000

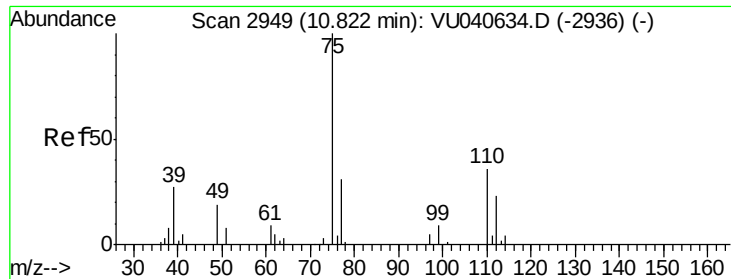
10000

5000

0

Time--> 8.60 8.65 8.70





#59

1,2,3-Trichloropropane

Concen: 0.946 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040640.D

Acq: 10 Oct 2020 17:28

Instrument :

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ClientSampleId :

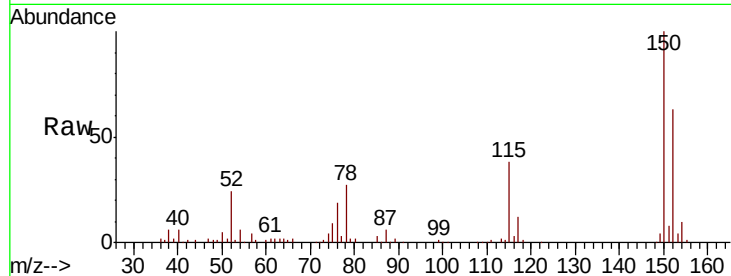
BFZS0

Tot Ion: 75 Resp: 7979

Ion Ratio Lower Upper

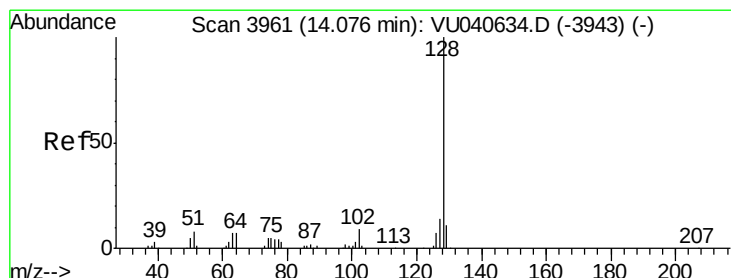
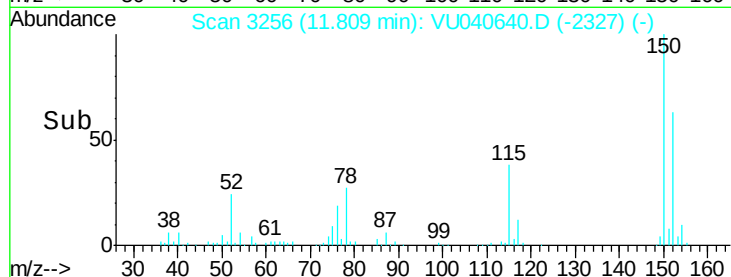
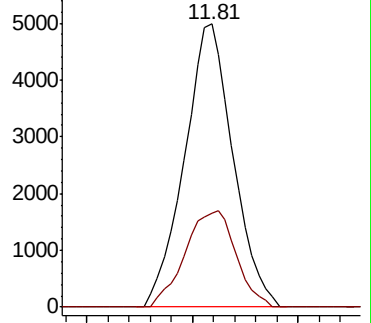
75 100

77 35.6 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU040634.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU040634.D (-2936) (-)



#69

Naphthalene

Concen: 0.047 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. -0.00 min

Lab File: VU040640.D

Acq: 10 Oct 2020 17:28

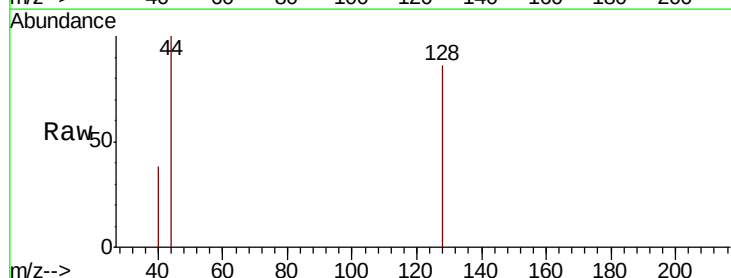
Tgt Ion: 128 Resp: 800

Ion Ratio Lower Upper

128 100

129 0.0 9.0 13.4#

127 0.0 10.2 15.4#



Abundance Ion 128.00 (127.70 to 128.70): VU040634.D (-3943) (-)

Ion 129.00 (128.70 to 129.70): VU040634.D (-3943) (-)

Ion 127.00 (126.70 to 127.70): VU040634.D (-3943) (-)

