

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072120\
 Data File : VU039610.D
 Acq On : 21 Jul 2020 20:24
 Operator : SY/MD
 Sample : L3347-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 22 02:07:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 22 02:01:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	110020	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	105902	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47673	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	33478	6.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	131.20%#
7) Chloroethane-d5	1.92	69	36123	6.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	129.60%
11) 1,1-Dichloroethene-d2	2.58	63	51041	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.00%
20) 2-Butanone-d5	4.65	46	120744	52.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.84%
24) Chloroform-d	5.08	84	68144	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	5.72	65	44609	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.75	84	132787	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
36) 1,2-Dichloropropane-d6	6.71	67	44066	5.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.20%
41) Toluene-d8	7.91	98	120586	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
43) trans-1,3-Dichloropropene-	8.19	79	16720	4.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.80%
46) 2-Hexanone-d5	8.64	63	87325	49.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.04%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	35541	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	45367	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	2221	0.413 ug/L	96
3) Chloromethane	1.53	50	574	0.098 ug/L	100
13) Acetone	2.65	43	3737	2.915 ug/L	91
14) Carbon disulfide	2.81	76	2745	0.175 ug/L #	83
15) Methyl Acetate	2.98	43	1806	0.577 ug/L #	56
16) Methylene chloride	3.07	84	700	0.093 ug/L	71
17) Methyl tert-butyl Ether	3.38	73	18218	1.102 ug/L #	81
25) Chloroform	5.11	83	7125	0.527 ug/L	96
33) Benzene	5.79	78	2256	0.089 ug/L	100
35) Methylcyclohexane	6.70	83	10406	1.011 ug/L #	20
37) 1,2-Dichloropropane	6.71	63	5384	0.760 ug/L #	90
39) cis-1,3-Dichloropropene	7.58	75	1458	0.143 ug/L	95
42) Toluene	7.98	91	9627	0.346 ug/L	97
48) 2-Hexanone	8.70	43	4461	1.090 ug/L #	74
53) m,p-Xylene	9.70	106	1913	0.162 ug/L	96
54) o-Xylene	10.10	106	4544	0.394 ug/L	88
59) 1,2,3-Trichloropropane	11.81	75	7254	1.396 ug/L	89

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 22 02:01:33 2020
Response via : Initial Calibration

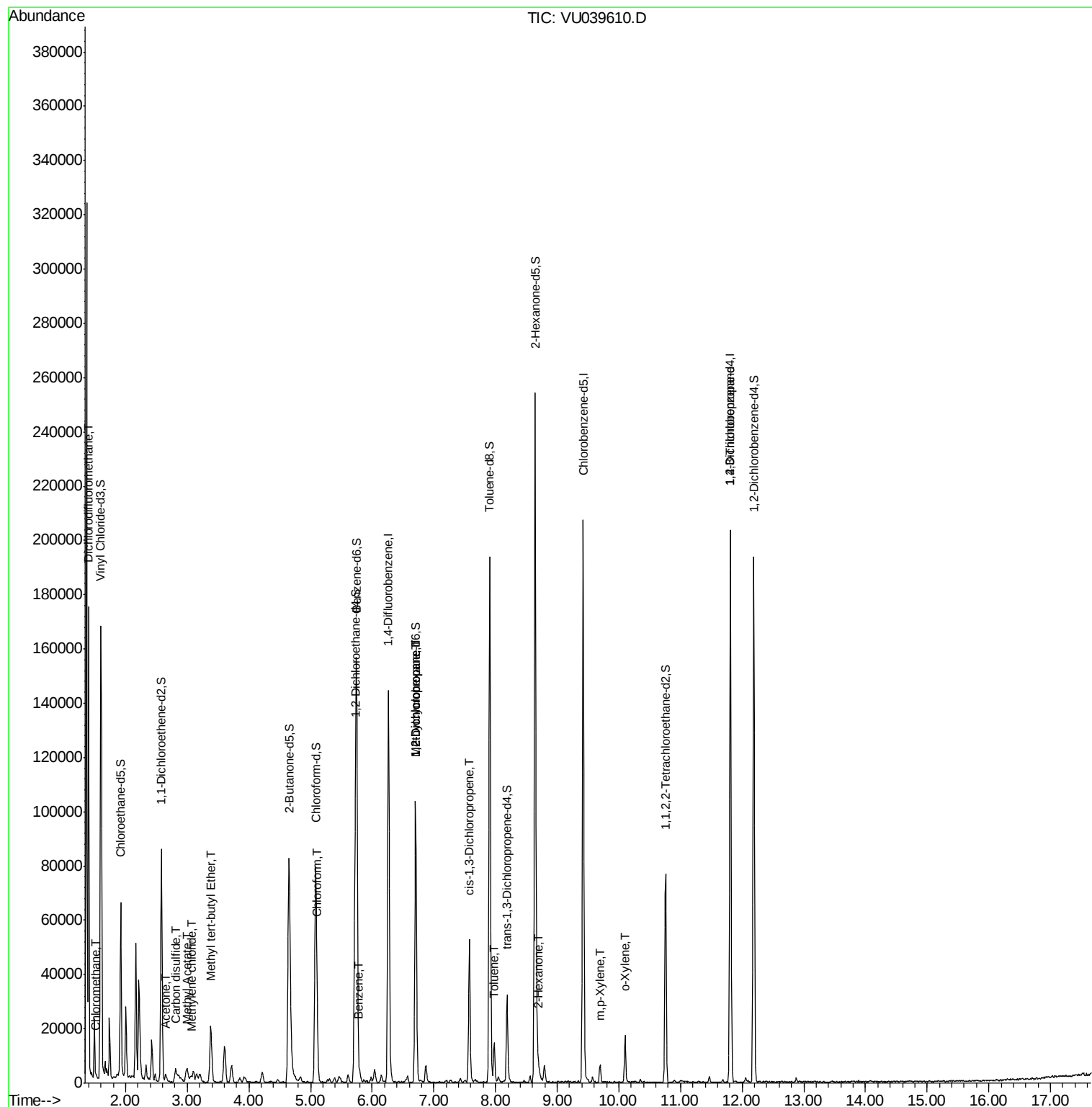
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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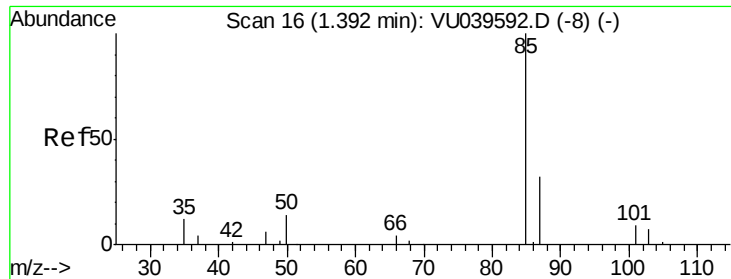
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.413 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.01 min

Lab File: VU039610.D

Acq: 21 Jul 2020 20:24

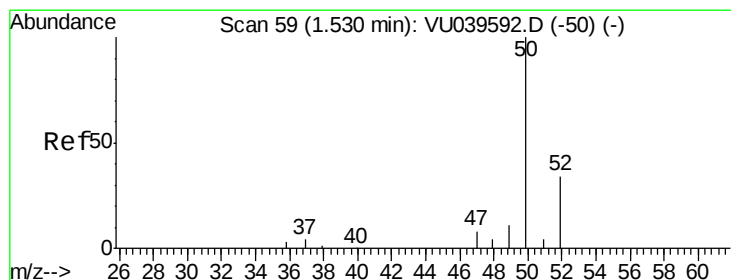
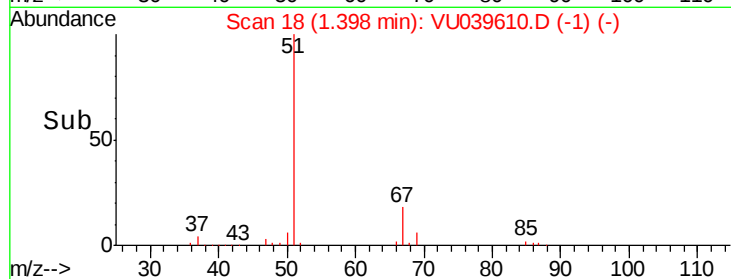
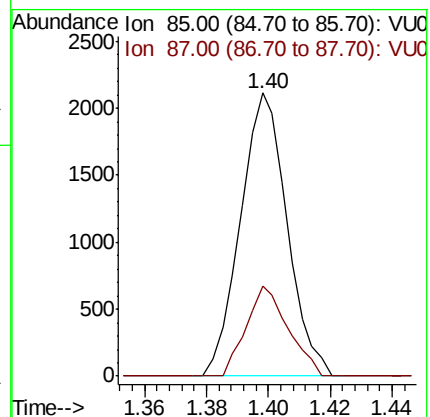
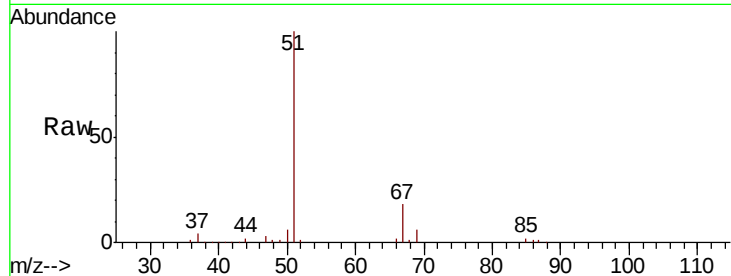
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 2221

Ion Ratio Lower Upper

85 100

87 28.5 24.5 36.7



#3

Chloromethane

Concen: 0.098 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039610.D

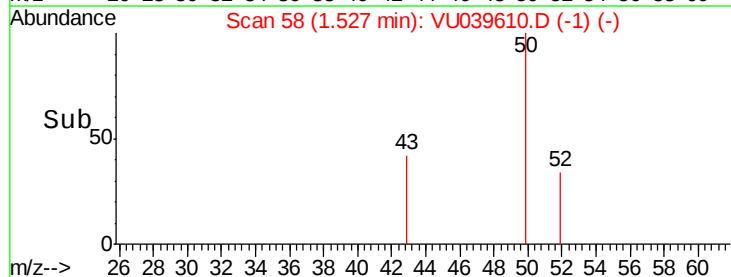
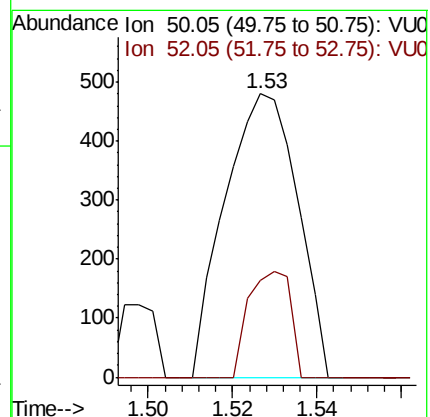
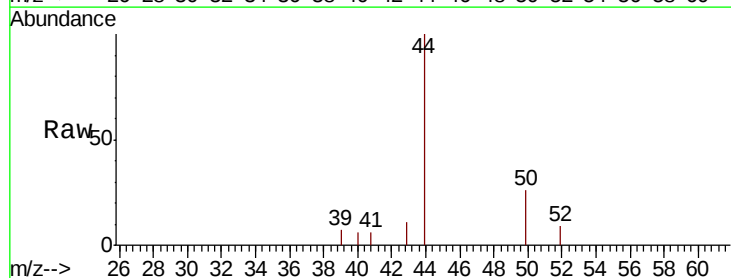
Acq: 21 Jul 2020 20:24

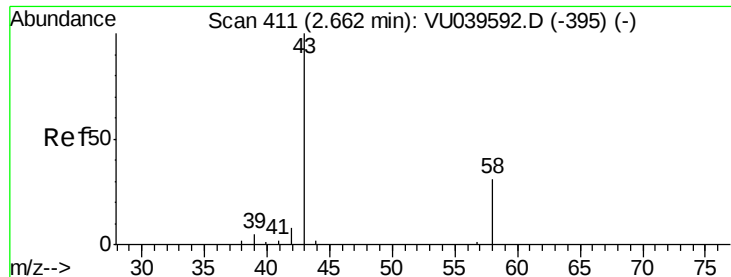
Tgt Ion: 50 Resp: 574

Ion Ratio Lower Upper

50 100

52 34.2 23.9 44.5





#13

Acetone

Concen: 2.915 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: VU039610.D

Acq: 21 Jul 2020 20:24

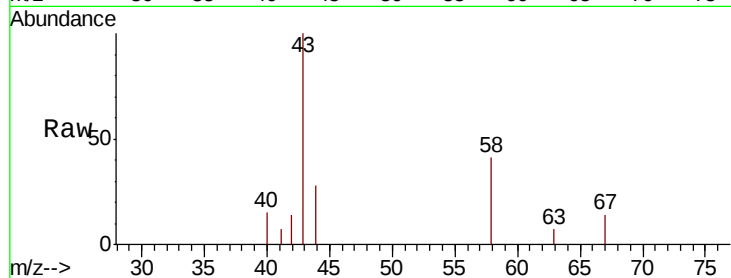
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 3737

Ion Ratio Lower Upper

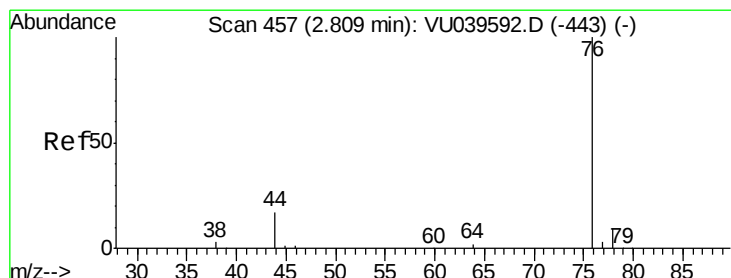
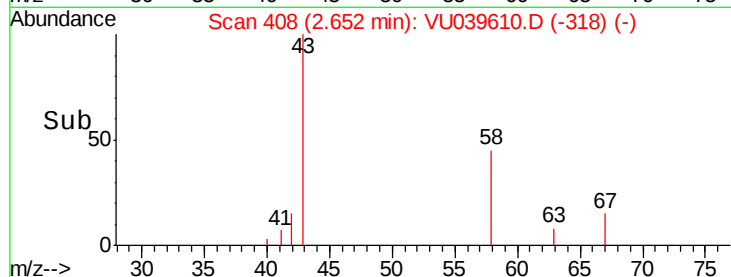
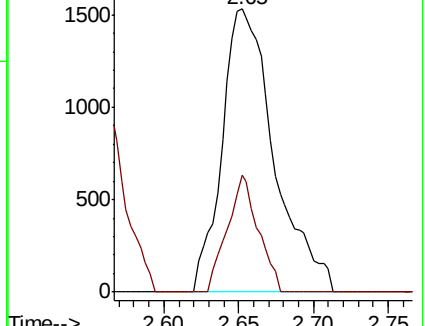
43 100

58 24.4 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VU039610.D (-318) (-)

Ion 58.05 (57.75 to 58.75): VU039610.D (-318) (-)



#14

Carbon disulfide

Concen: 0.175 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU039610.D

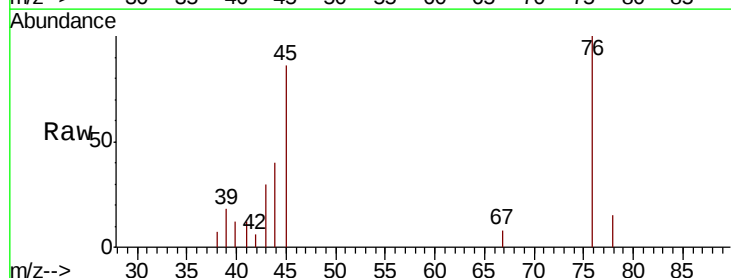
Acq: 21 Jul 2020 20:24

Tgt Ion: 76 Resp: 2745

Ion Ratio Lower Upper

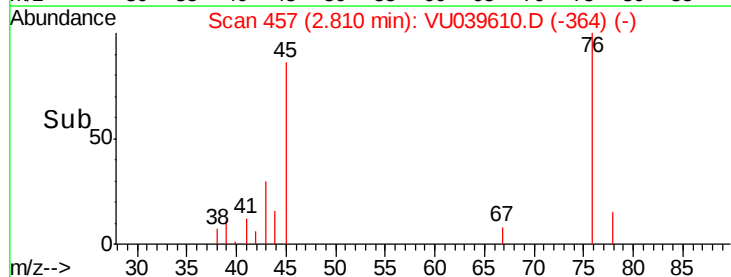
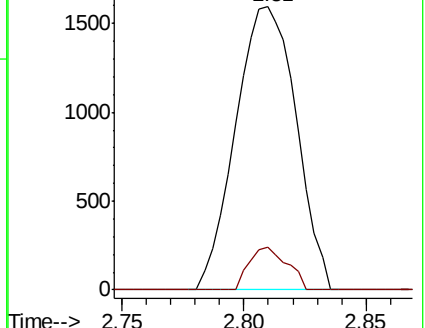
76 100

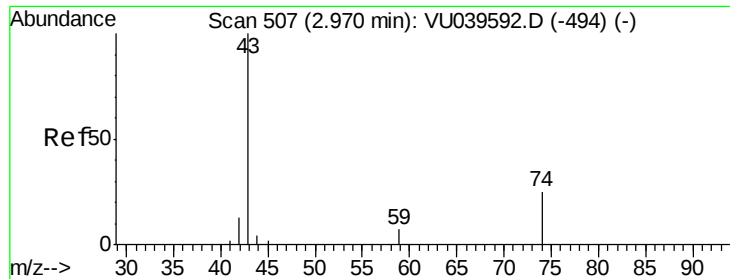
78 15.3 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VU039610.D (-364) (-)

Ion 78.00 (77.70 to 78.70): VU039610.D (-364) (-)

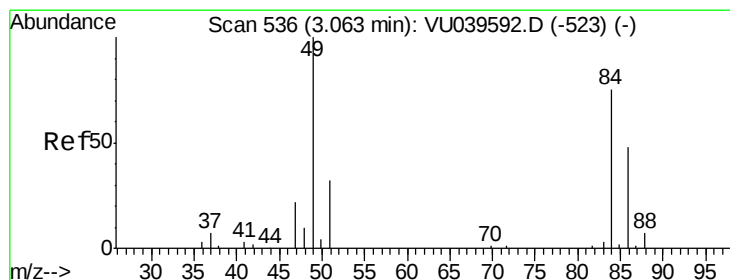
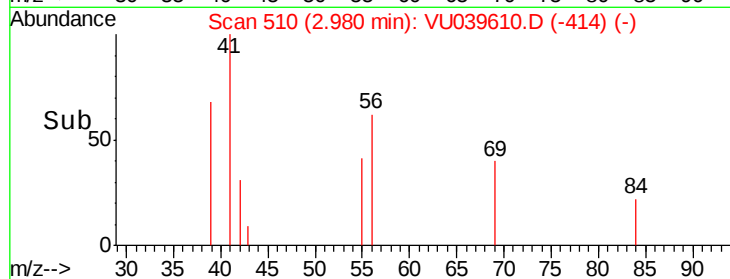
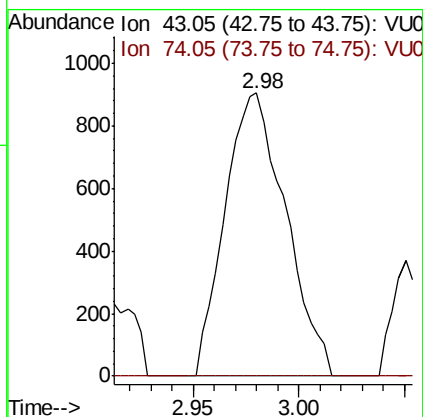
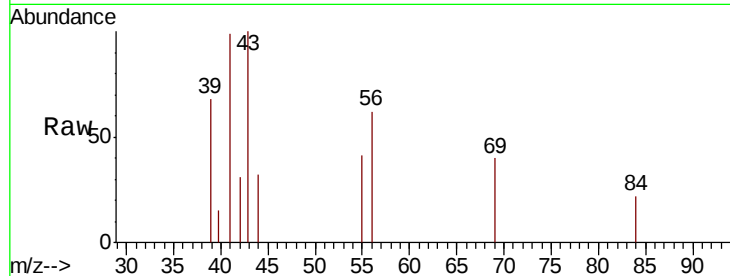




#15
Methyl Acetate
Concen: 0.577 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.01 min
Lab File: VU039610.D
Acq: 21 Jul 2020 20:24

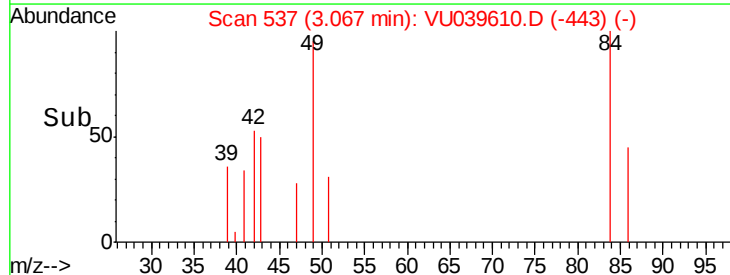
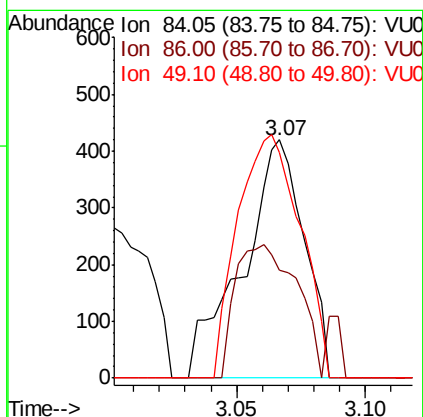
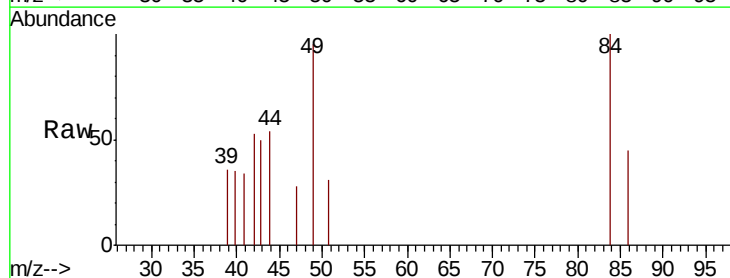
Instrument :
MSVOA_U
ClientSampled :

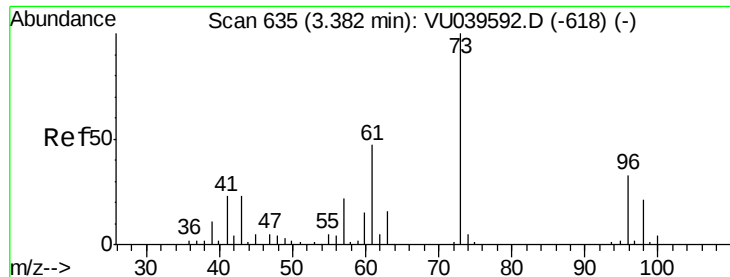
Tot Ion: 43 Resp: 1806
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#16
Methylene chloride
Concen: 0.093 ug/L
RT: 3.07 min Scan# 537
Delta R.T. 0.00 min
Lab File: VU039610.D
Acq: 21 Jul 2020 20:24

Tgt Ion: 84 Resp: 700
Ion Ratio Lower Upper
84 100
86 45.5 43.8 81.4
49 94.8 92.7 172.3

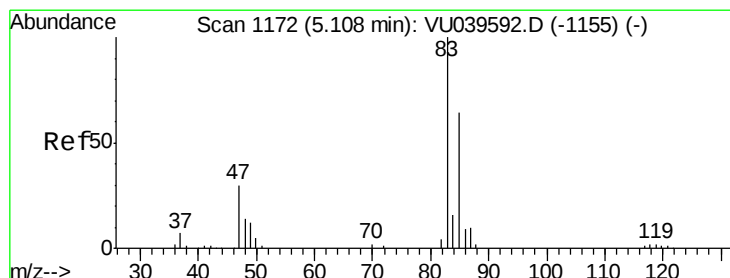
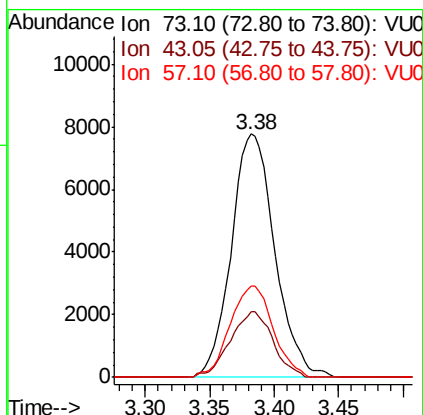
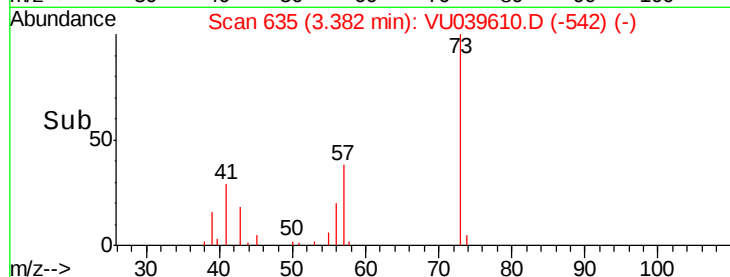
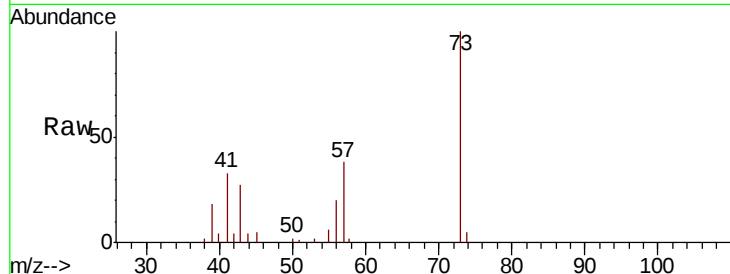




#17
Methvl tert-butvl Ether
Concen: 1.102 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU039610.D
Acq: 21 Jul 2020 20:24

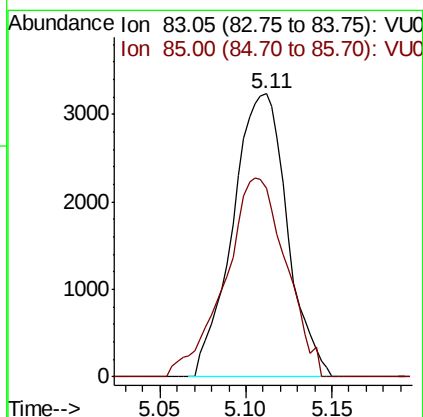
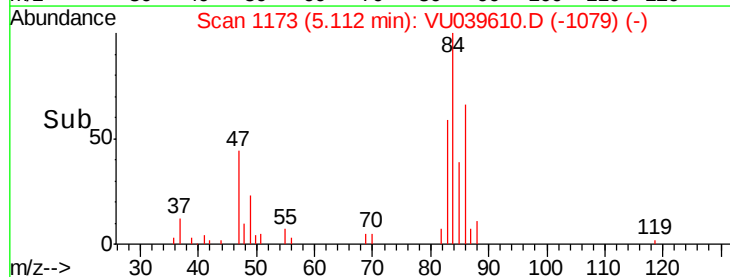
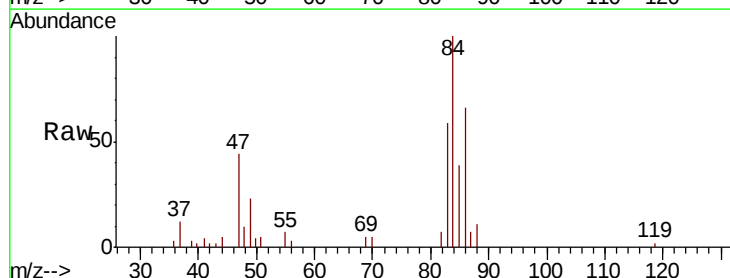
Instrument :
MSVOA_U
ClientSampled :

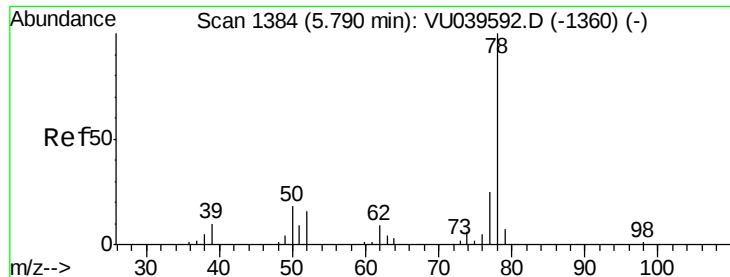
Tot Ion: 73 Resp: 18218
Ion Ratio Lower Upper
73 100
43 26.6 18.2 27.4
57 37.2 17.9 26.9#



#25
Chloroform
Concen: 0.527 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VU039610.D
Acq: 21 Jul 2020 20:24

Tgt Ion: 83 Resp: 7125
Ion Ratio Lower Upper
83 100
85 66.6 44.4 82.5

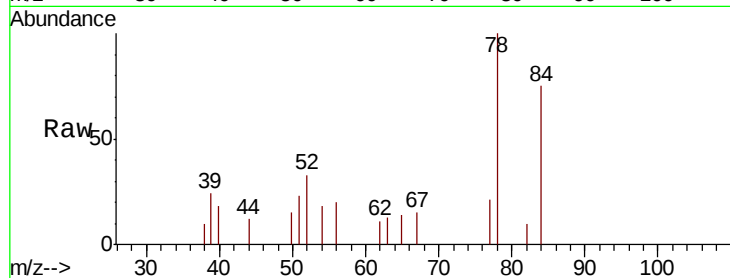




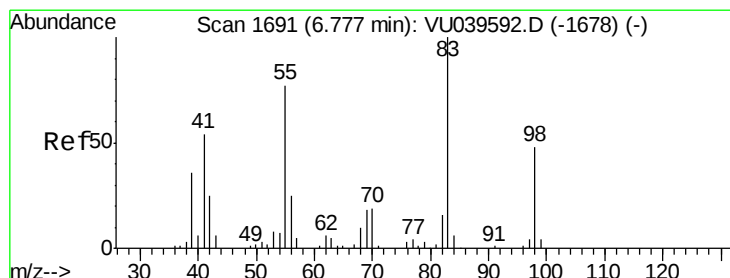
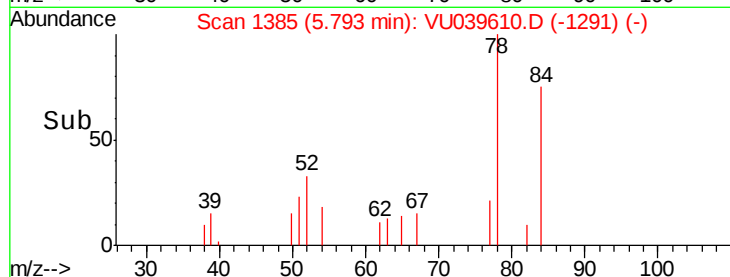
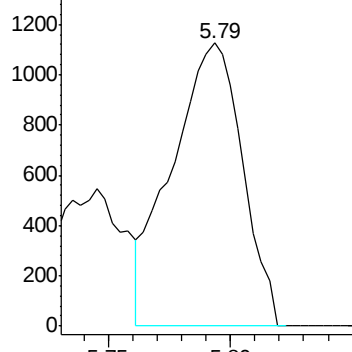
#33
Benzene
Concen: 0.089 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VU039610.D
Acq: 21 Jul 2020 20:24

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 78 Resp: 2256

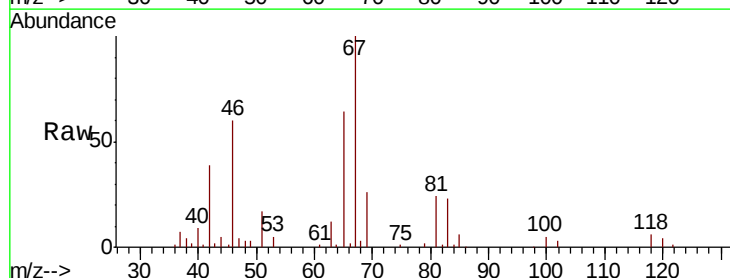


Abundance Ion 78.10 (77.80 to 78.80): VU0



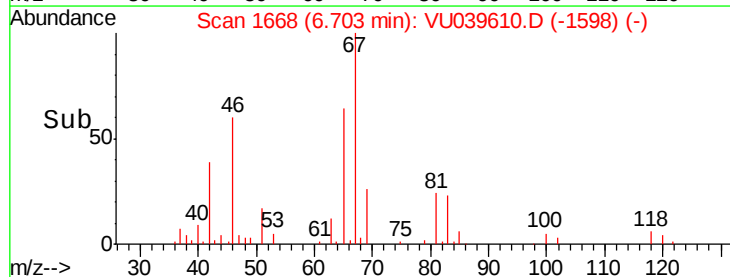
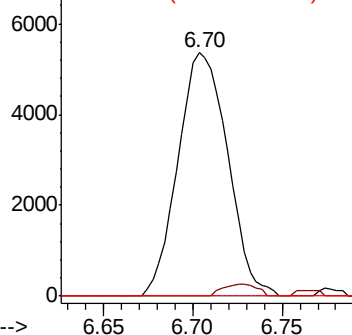
#35
Methylcyclohexane
Concen: 1.011 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU039610.D
Acq: 21 Jul 2020 20:24

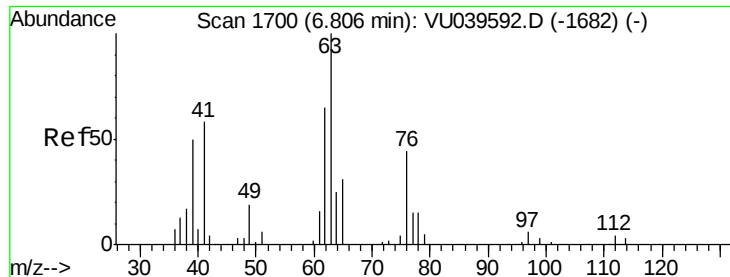
Tgt Ion: 83 Resp: 10406
Ion Ratio Lower Upper
83 100
55 3.4 63.0 94.6#
98 0.0 35.3 52.9#



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

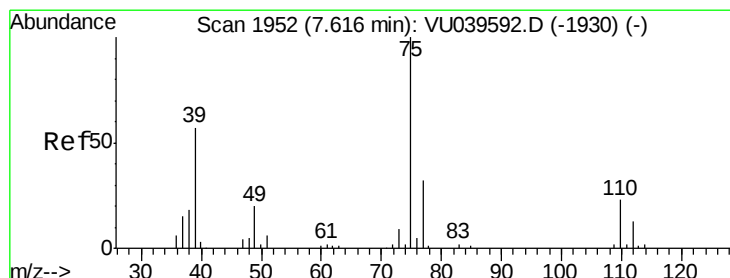
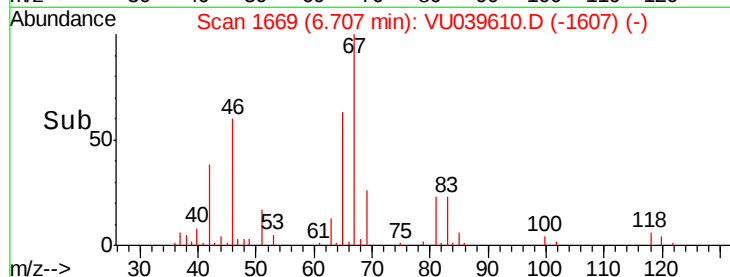
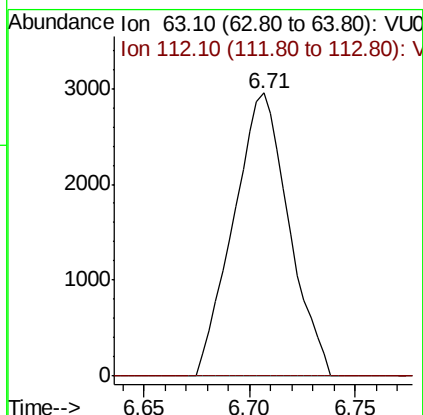
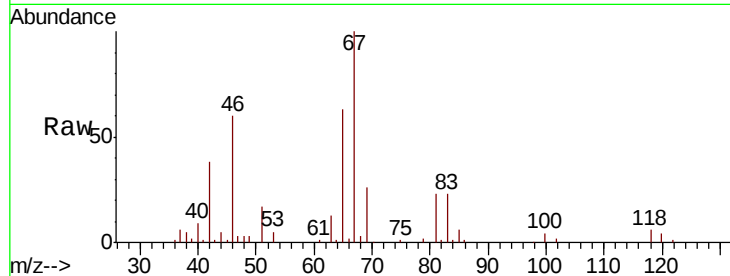




#37
 1,2-Dichloropropane
 Concen: 0.760 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU039610.D
 Acq: 21 Jul 2020 20:24

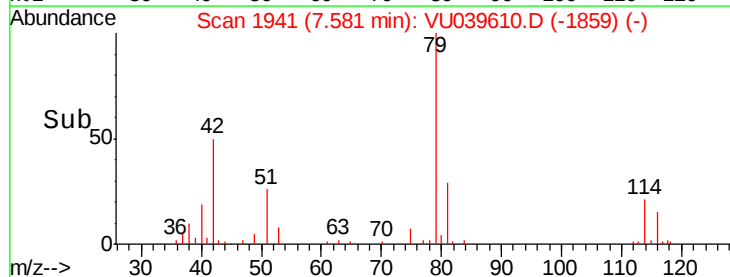
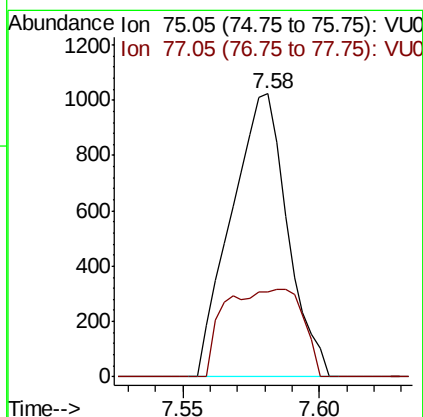
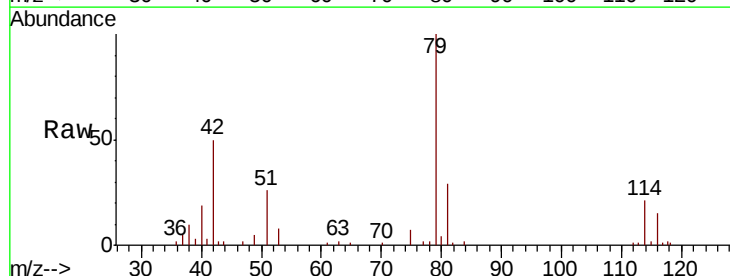
Instrument :
 MSVOA_U
 ClientSampleId :

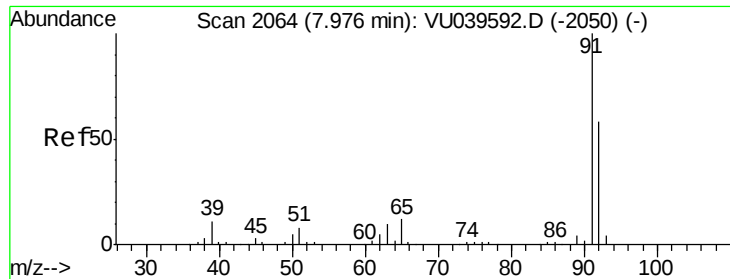
Tot Ion: 63 Resp: 5384
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.143 ug/L
 RT: 7.58 min Scan# 1941
 Delta R.T. -0.04 min
 Lab File: VU039610.D
 Acq: 21 Jul 2020 20:24

Tgt Ion: 75 Resp: 1458
 Ion Ratio Lower Upper
 75 100
 77 30.1 23.2 43.0





#42

Toluene

Concen: 0.346 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU039610.D

Acq: 21 Jul 2020 20:24

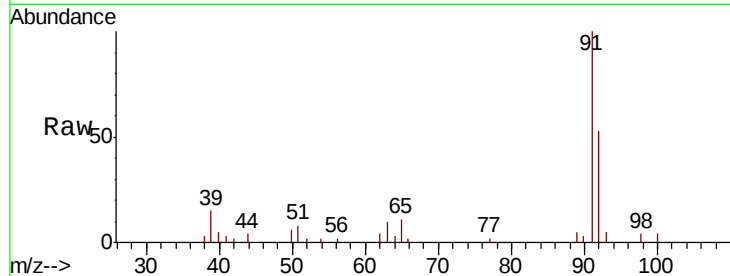
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 9627

Ion Ratio Lower Upper

91 100

92 52.9 38.6 71.6



Abundance Ion 91.15 (90.85 to 91.85): VU039592.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039592.D (-2050) (-)

7.98

6000

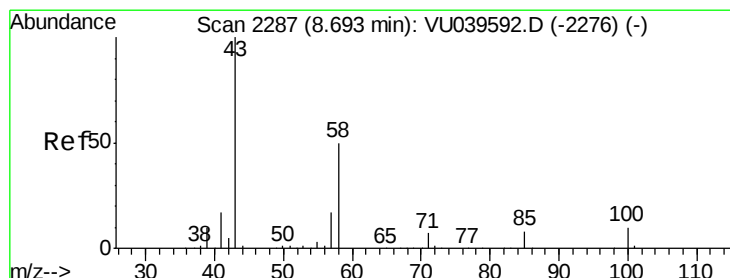
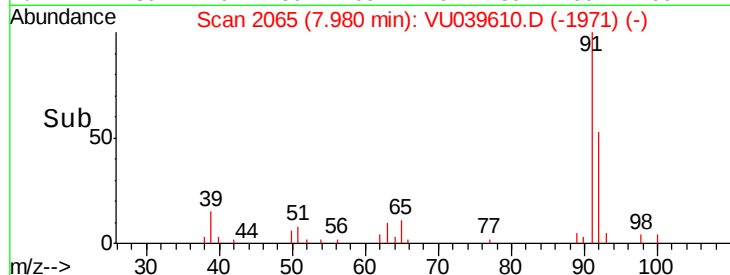
4000

2000

0

7.95 8.00

Time-->



#48

2-Hexanone

Concen: 1.090 ug/L

RT: 8.70 min Scan# 2288

Delta R.T. 0.00 min

Lab File: VU039610.D

Acq: 21 Jul 2020 20:24

Tgt Ion: 43 Resp: 4461

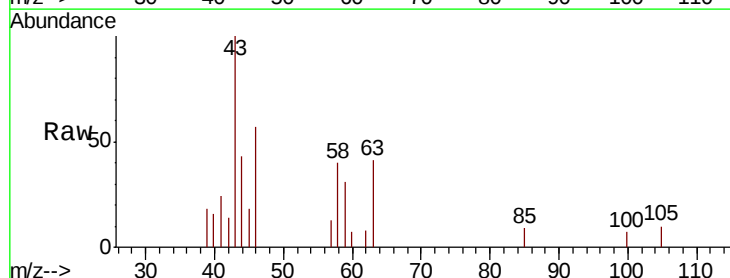
Ion Ratio Lower Upper

43 100

58 36.2 40.9 61.3#

57 0.0 14.6 21.8#

100 1.5 7.9 11.9#



Abundance Ion 43.05 (42.75 to 43.75): VU039592.D (-2276) (-)

Ion 58.05 (57.75 to 58.75): VU039592.D (-2276) (-)

Ion 57.20 (56.90 to 57.90): VU039592.D (-2276) (-)

Ion 100.15 (99.85 to 100.85): VU039592.D (-2276) (-)

8.70

8000

6000

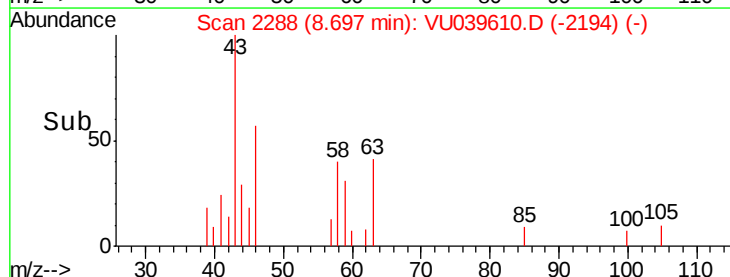
4000

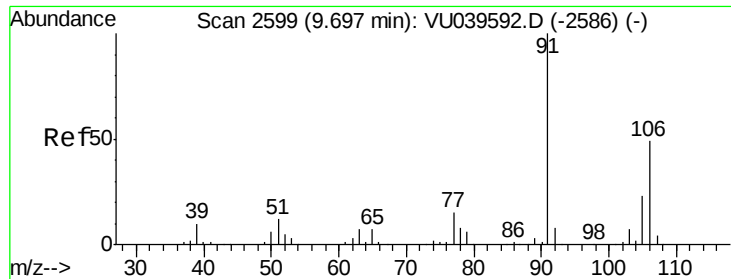
2000

0

8.65 8.70 8.75

Time-->

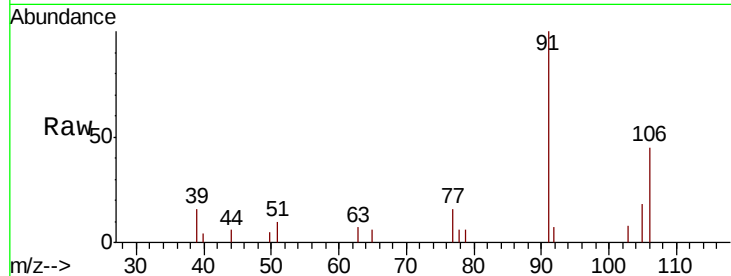




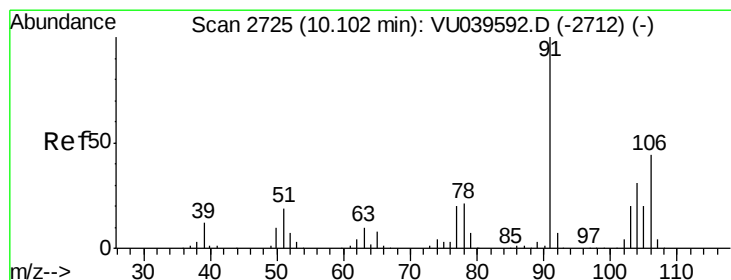
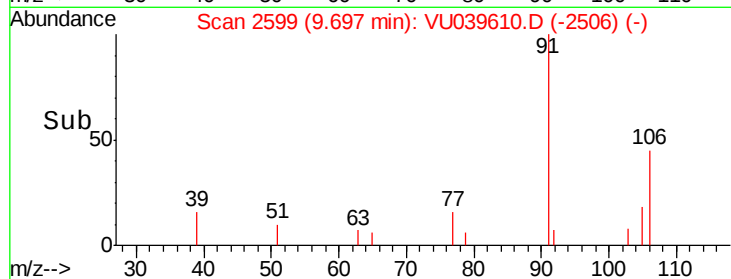
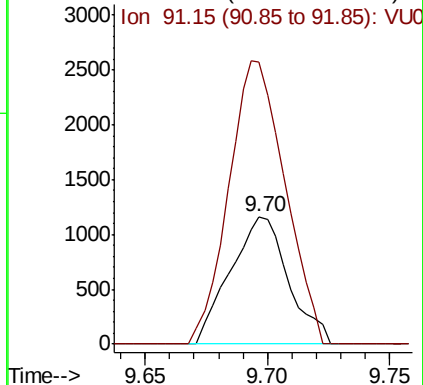
#53
m,p-Xylene
Concen: 0.162 ug/L
RT: 9.70 min Scan# 2599
Delta R.T. 0.00 min
Lab File: VU039610.D
Acq: 21 Jul 2020 20:24

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 1913
Ion Ratio Lower Upper
106 100
91 220.3 149.3 277.3

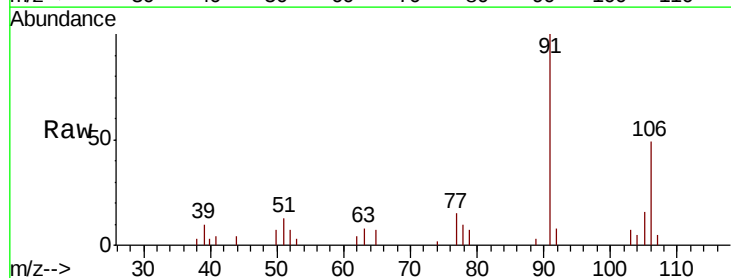


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

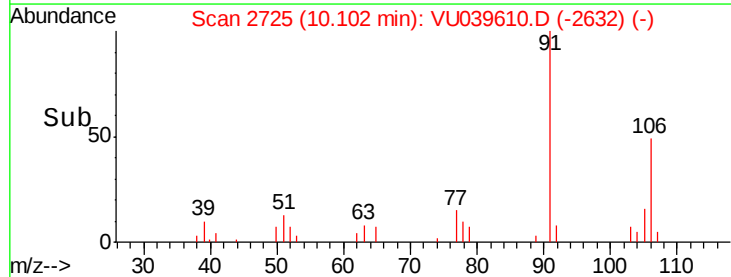
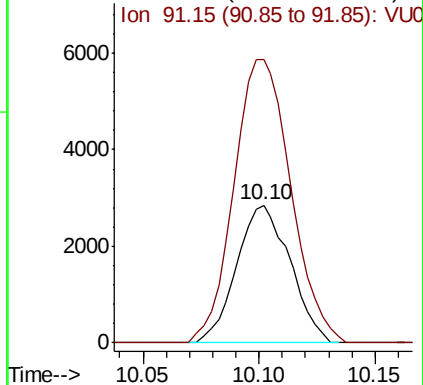


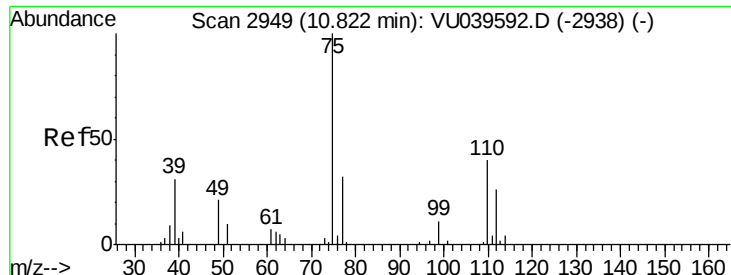
#54
o-Xylene
Concen: 0.394 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039610.D
Acq: 21 Jul 2020 20:24

Tgt Ion:106 Resp: 4544
Ion Ratio Lower Upper
106 100
91 205.4 157.4 292.4



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0





#59

1,2,3-Trichloropropane

Concen: 1.396 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039610.D

Acq: 21 Jul 2020 20:24

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 7254

Ion Ratio Lower Upper

75 100

77 38.1 25.5 38.3

