

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072120\
 Data File : VU039612.D
 Acq On : 21 Jul 2020 21:10
 Operator : SY/MD
 Sample : L3347-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 22 02:08:17 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	6.27	114	113826	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	106427	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47254	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	31583	5.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	119.60%
7) Chloroethane-d5	1.93	69	27807	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	2.58	63	47886	4.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.60%
20) 2-Butanone-d5	4.66	46	117284	49.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.42%
24) Chloroform-d	5.09	84	63493	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.72	65	42174	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.75	84	125751	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.71	67	40925	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.91	98	111511	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	8.19	79	15551	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
46) 2-Hexanone-d5	8.64	63	82528	46.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.20%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	34473	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	41482	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

					Ovalue
3) Chloromethane	1.59	50	13643	2.257 ug/L #	78
13) Acetone	2.67	43	2763	2.083 ug/L	78
14) Carbon disulfide	2.81	76	3945	0.244 ug/L	97
15) Methyl Acetate	2.98	43	4024	1.242 ug/L #	56
16) Methylene chloride	3.06	84	1360	0.175 ug/L	93
25) Chloroform	5.11	83	3980	0.285 ug/L	83
33) Benzene	5.79	78	6054	0.237 ug/L	100
35) Methylcyclohexane	6.78	83	1541	0.149 ug/L #	85
37) 1,2-Dichloropropane	6.71	63	4853	0.682 ug/L #	90
39) cis-1,3-Dichloropropene	7.57	75	1386	0.136 ug/L #	75
42) Toluene	7.98	91	11833	0.423 ug/L	99
48) 2-Hexanone	8.69	43	4420	1.075 ug/L #	88
52) Ethylbenzene	9.57	91	3814	0.120 ug/L	88
53) m,p-Xylene	9.70	106	2205	0.186 ug/L	91
54) o-Xylene	10.10	106	1735	0.150 ug/L	87
59) 1,2,3-Trichloropropane	11.81	75	7651	1.465 ug/L	91

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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

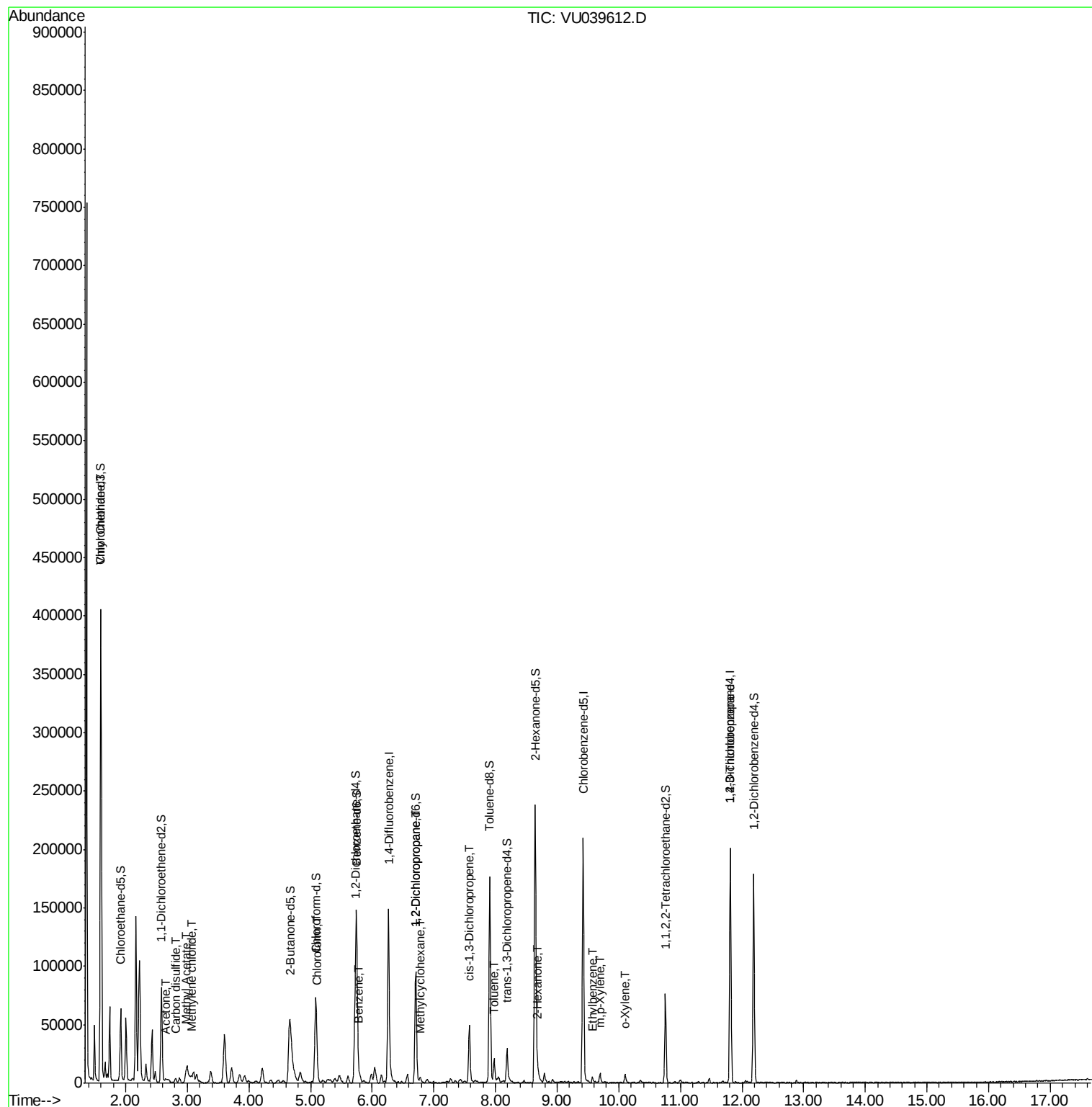
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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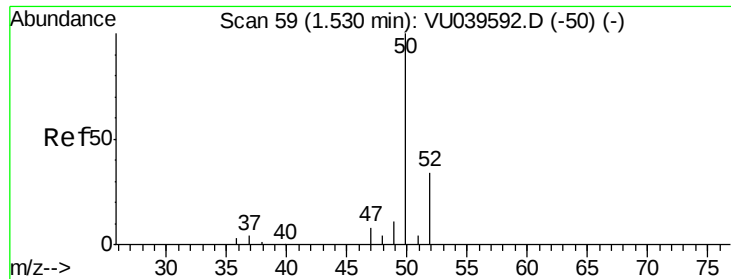
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 2.257 ug/L

RT: 1.59 min Scan# 79

Delta R.T. 0.06 min

Lab File: VU039612.D

Acq: 21 Jul 2020 21:10

Instrument :

MSVOA_U

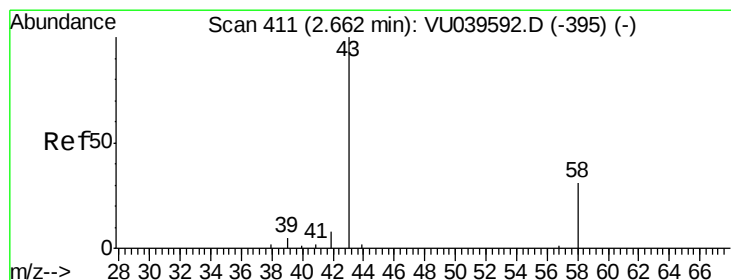
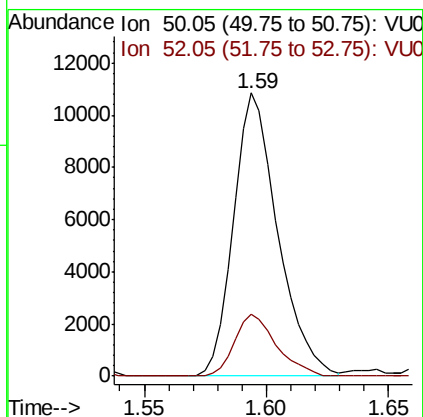
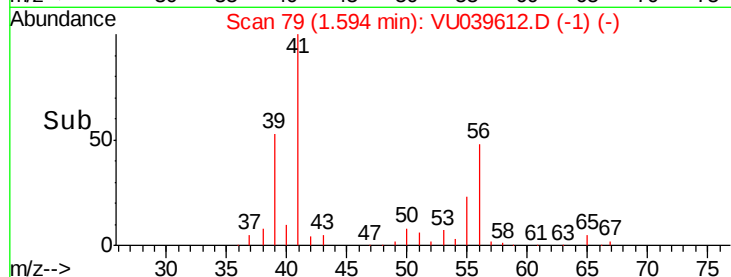
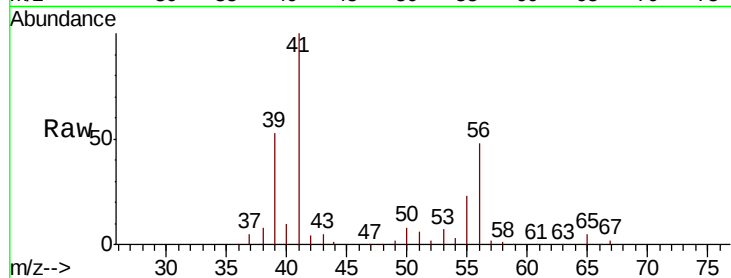
ClientSampleId :

Tot Ion: 50 Resp: 13643

Ion Ratio Lower Upper

50 100

52 21.7 23.9 44.5#



#13

Acetone

Concen: 2.083 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU039612.D

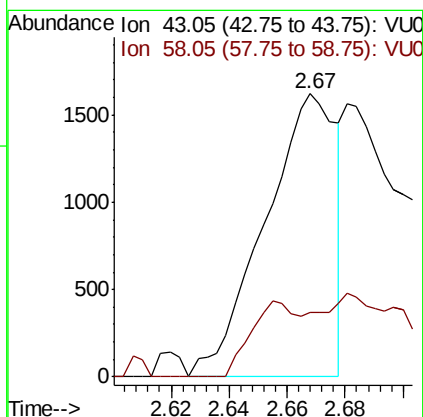
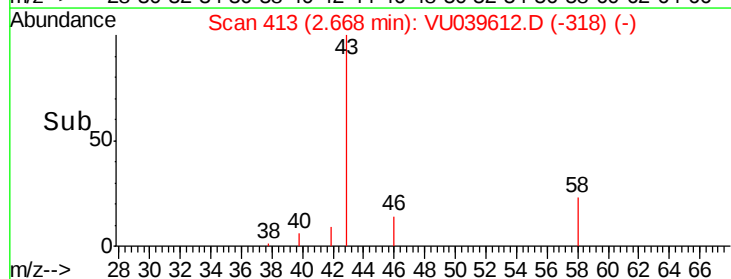
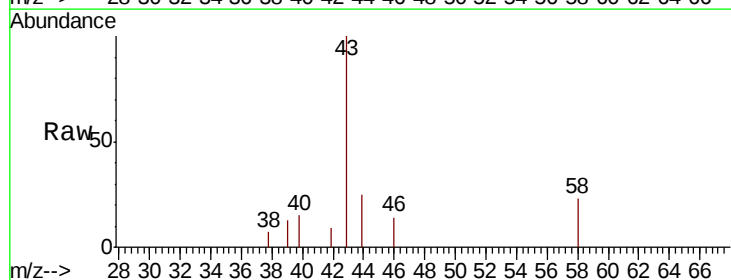
Acq: 21 Jul 2020 21:10

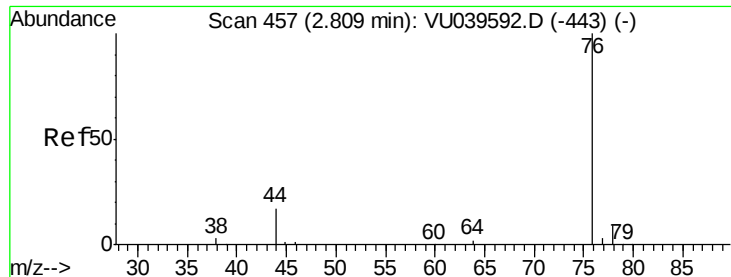
Tgt Ion: 43 Resp: 2763

Ion Ratio Lower Upper

43 100

58 17.8 0.0 59.0





#14

Carbon disulfide

Concen: 0.244 ug/L

RT: 2.81 min Scan# 457

Delta R.T. -0.00 min

Lab File: VU039612.D

Acq: 21 Jul 2020 21:10

Instrument :

MSVOA_U

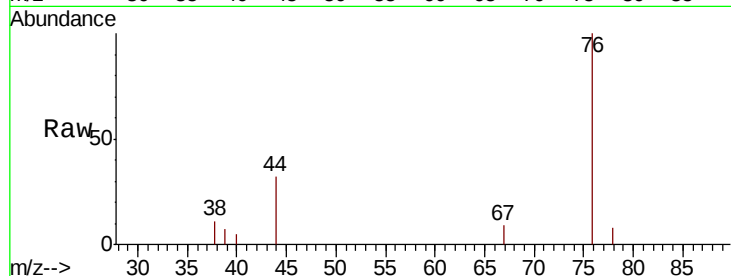
ClientSampled :

Tot Ion: 76 Resp: 3945

Ion Ratio Lower Upper

76 100

78 7.9 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU039592.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU039592.D (-443) (-)

2.81

2500

2000

1500

1000

500

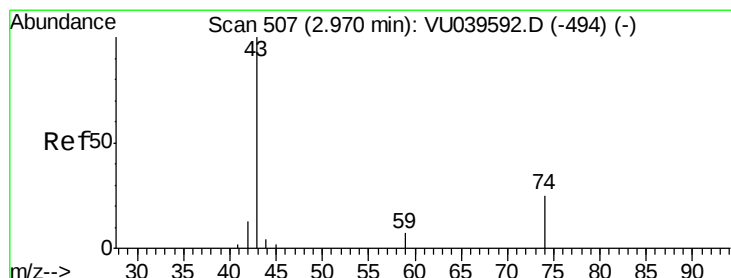
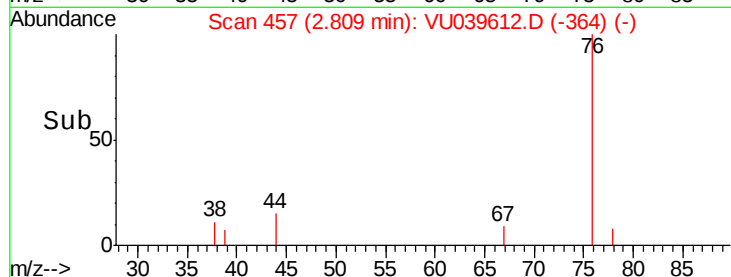
0

Time-->

2.75

2.80

2.85



#15

Methyl Acetate

Concen: 1.242 ug/L

RT: 2.98 min Scan# 509

Delta R.T. 0.01 min

Lab File: VU039612.D

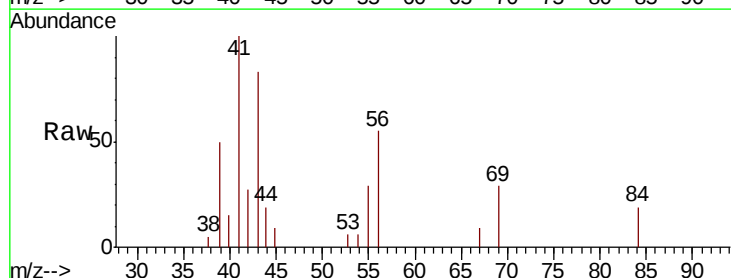
Acq: 21 Jul 2020 21:10

Tgt Ion: 43 Resp: 4024

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



Abundance Ion 43.05 (42.75 to 43.75): VU039592.D (-494) (-)

Ion 74.05 (73.75 to 74.75): VU039592.D (-494) (-)

2.98

2000

1500

1000

500

0

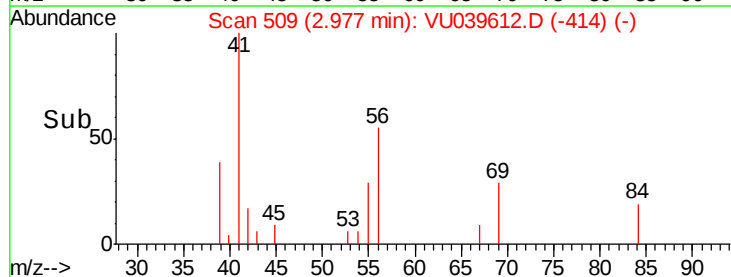
Time-->

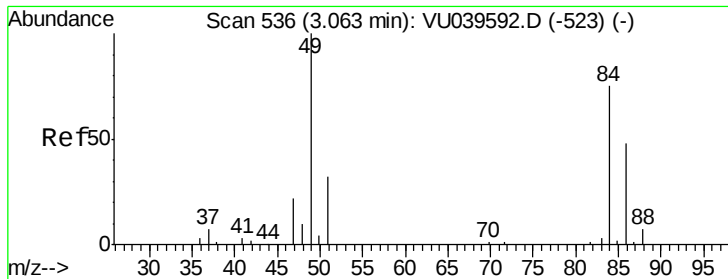
2.90

2.95

3.00

3.05

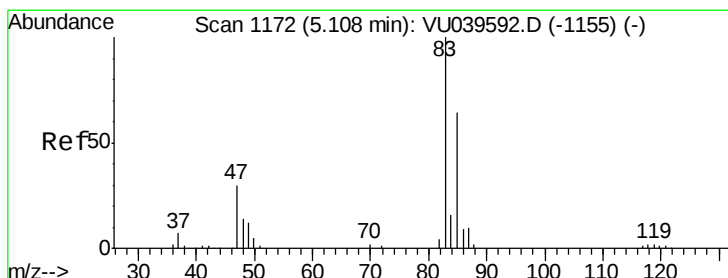
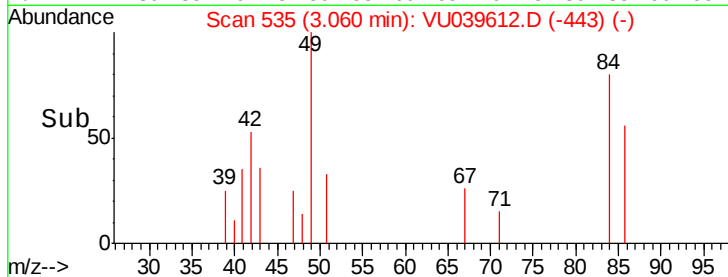
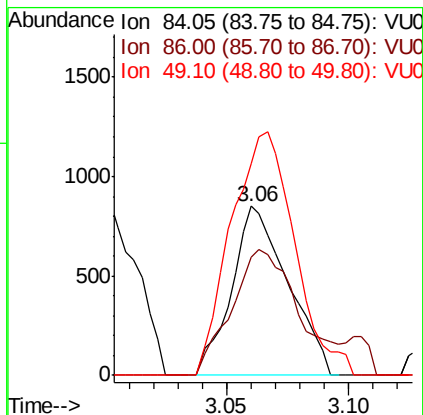
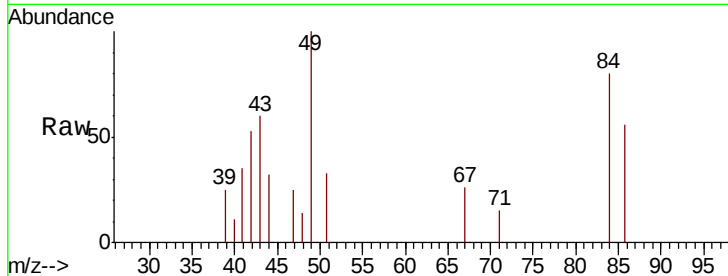




#16
Methvlene chloride
Concen: 0.175 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039612.D
Acq: 21 Jul 2020 21:10

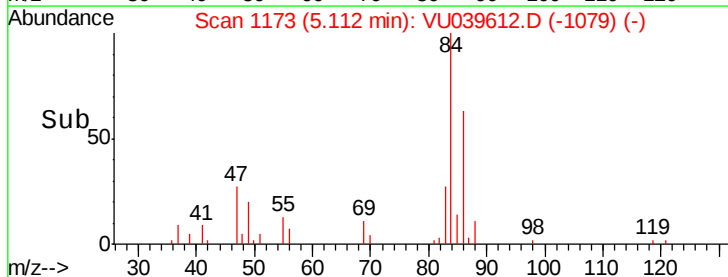
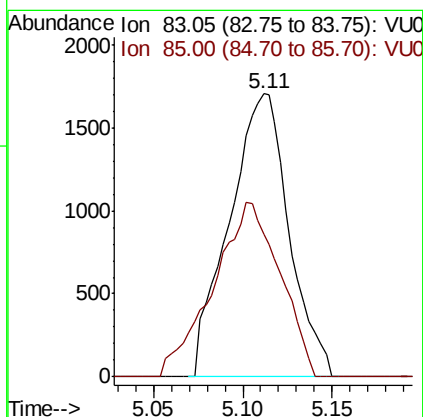
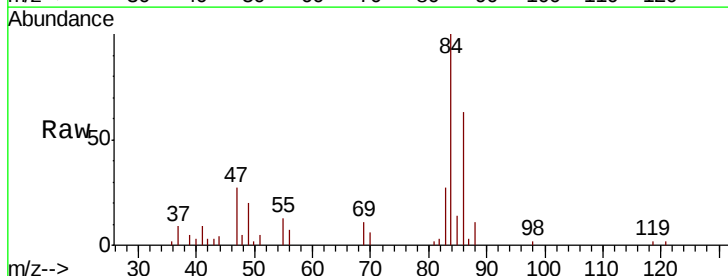
Instrument :
MSVOA_U
ClientSampleId :

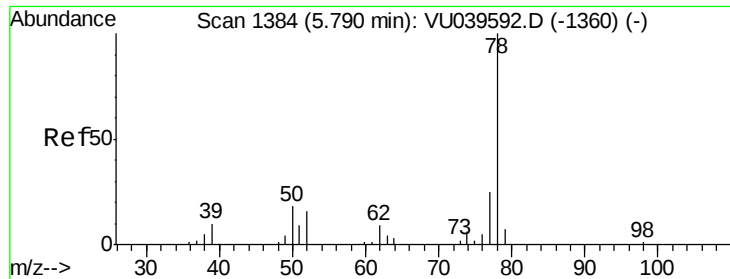
Tot Ion: 84 Resp: 1360
Ion Ratio Lower Upper
84 100
86 69.6 43.8 81.4
49 125.4 92.7 172.3



#25
Chloroform
Concen: 0.285 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VU039612.D
Acq: 21 Jul 2020 21:10

Tgt Ion: 83 Resp: 3980
Ion Ratio Lower Upper
83 100
85 50.4 44.4 82.5

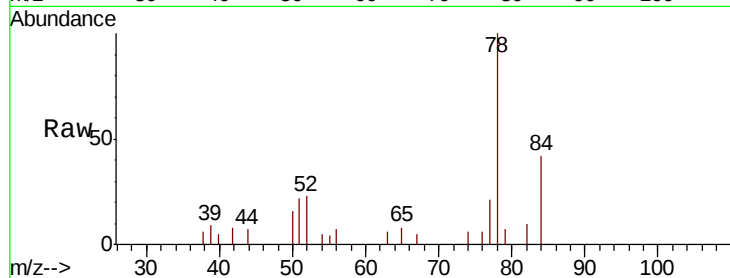




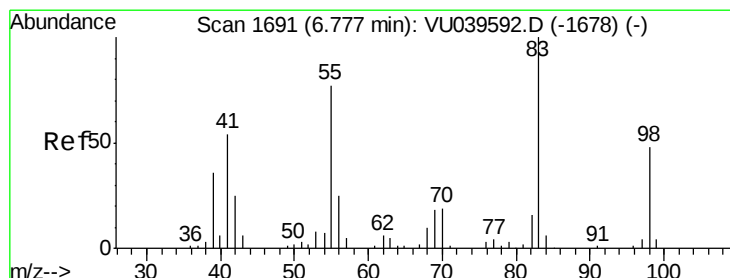
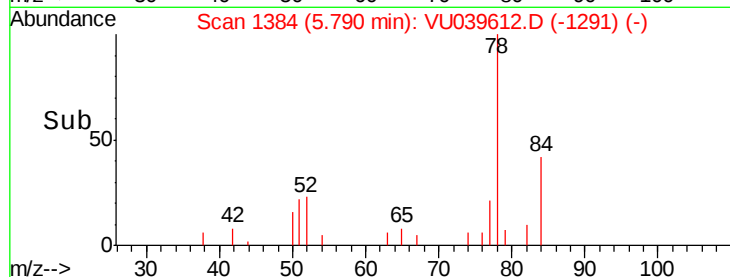
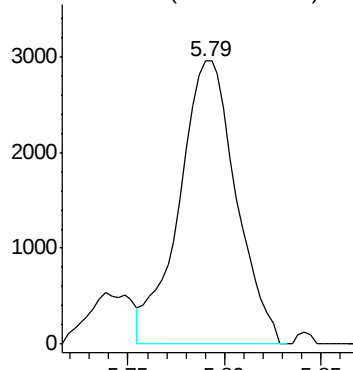
#33
Benzene
Concen: 0.237 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. -0.00 min
Lab File: VU039612.D
Acq: 21 Jul 2020 21:10

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 6054

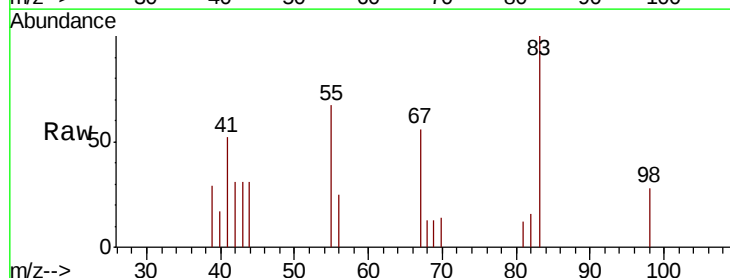


Abundance Ion 78.10 (77.80 to 78.80): VU0



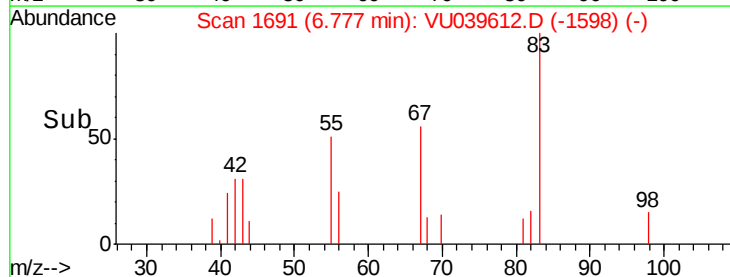
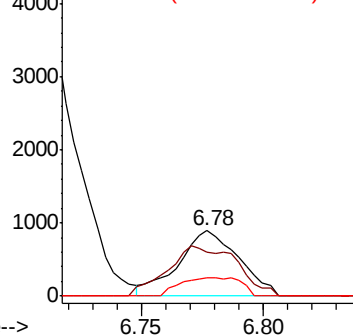
#35
Methylcyclohexane
Concen: 0.149 ug/L
RT: 6.78 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU039612.D
Acq: 21 Jul 2020 21:10

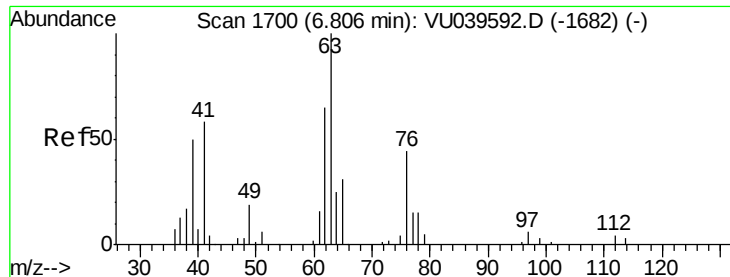
Tgt Ion: 83 Resp: 1541
Ion Ratio Lower Upper
83 100
55 87.5 63.0 94.6
98 28.1 35.3 52.9#



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

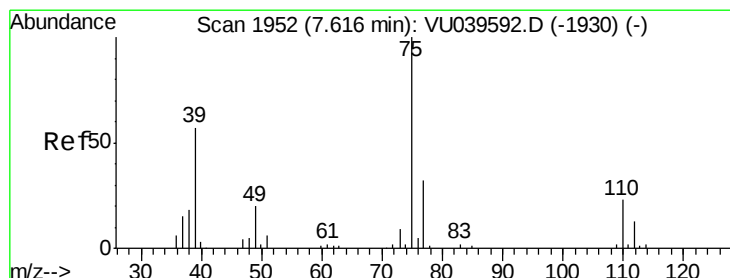
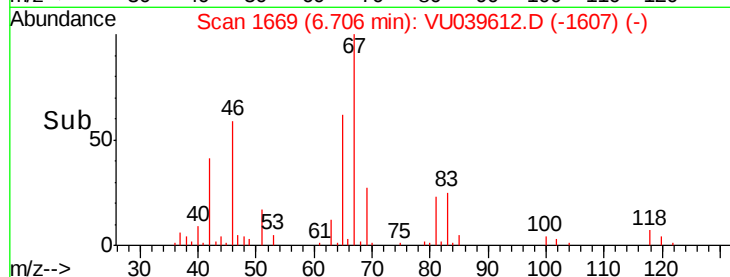
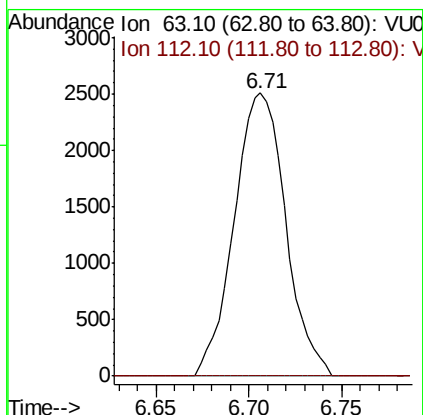
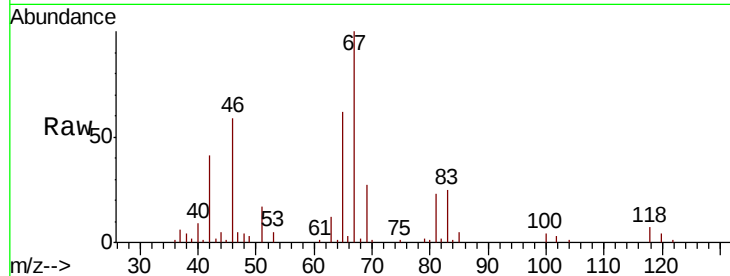




#37
 1,2-Dichloropropane
 Concen: 0.682 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU039612.D
 Acq: 21 Jul 2020 21:10

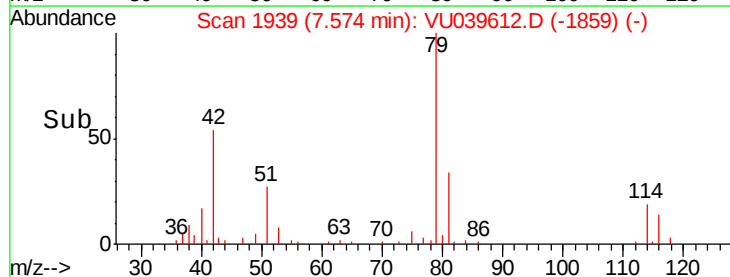
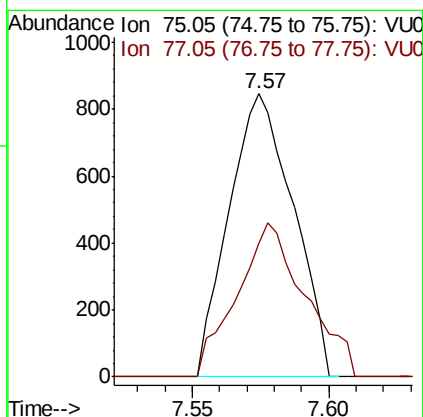
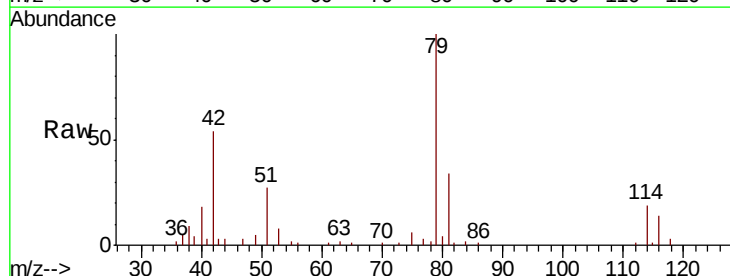
Instrument :
 MSVOA_U
 ClientSampleId :

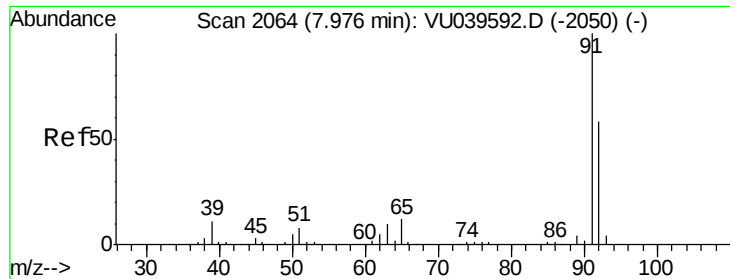
Tot Ion: 63 Resp: 4853
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.136 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039612.D
 Acq: 21 Jul 2020 21:10

Tgt Ion: 75 Resp: 1386
 Ion Ratio Lower Upper
 75 100
 77 47.0 23.2 43.0#





#42

Toluene

Concen: 0.423 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU039612.D

Acq: 21 Jul 2020 21:10

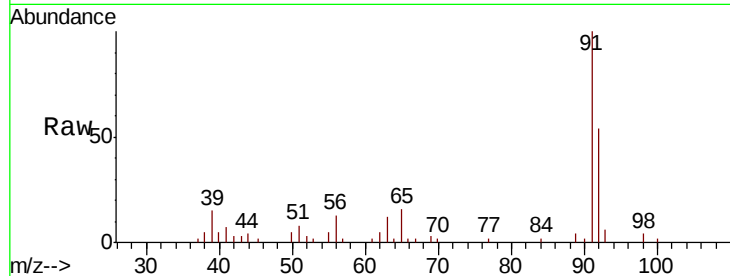
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 11833

Ion Ratio Lower Upper

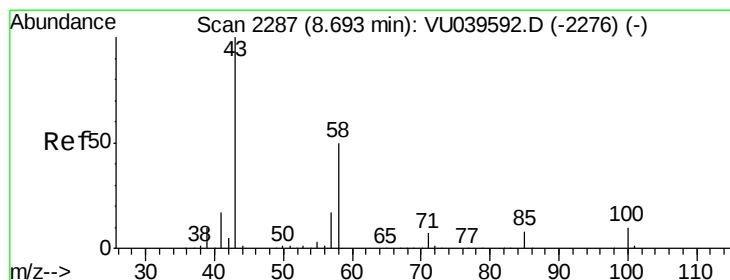
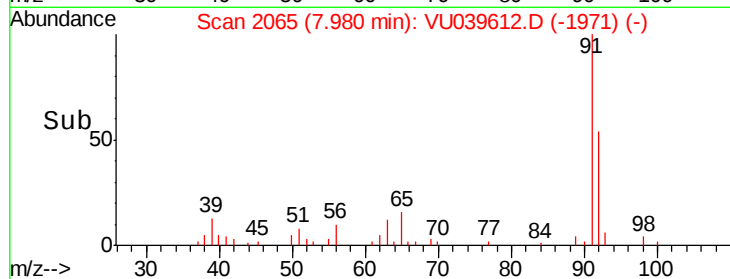
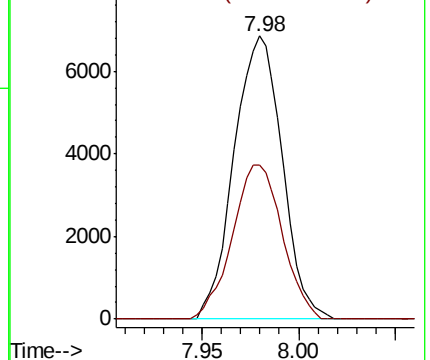
91 100

92 54.5 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) (-)



#48

2-Hexanone

Concen: 1.075 ug/L

RT: 8.69 min Scan# 2287

Delta R.T. -0.00 min

Lab File: VU039612.D

Acq: 21 Jul 2020 21:10

Tgt Ion: 43 Resp: 4420

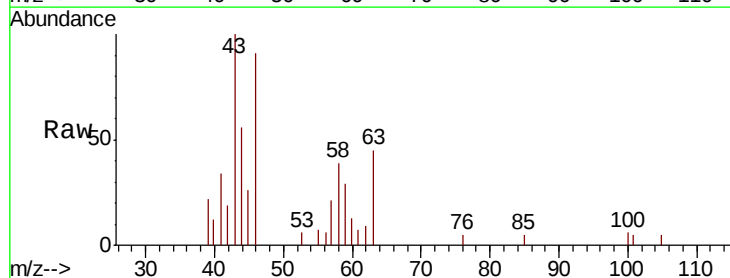
Ion Ratio Lower Upper

43 100

58 44.7 40.9 61.3

57 10.1 14.6 21.8#

100 5.5 7.9 11.9#

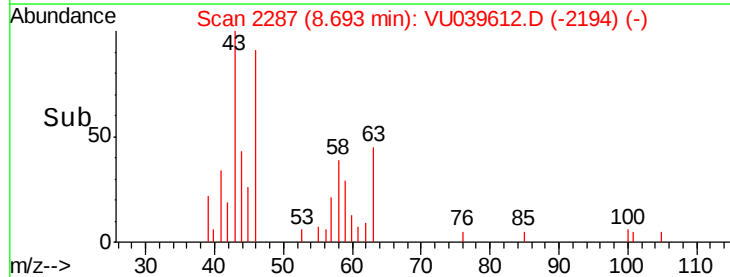
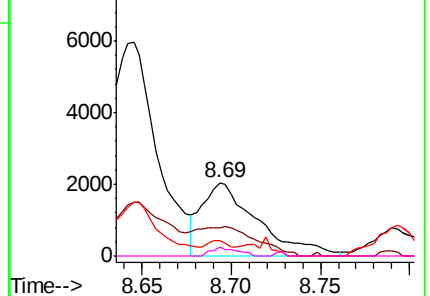


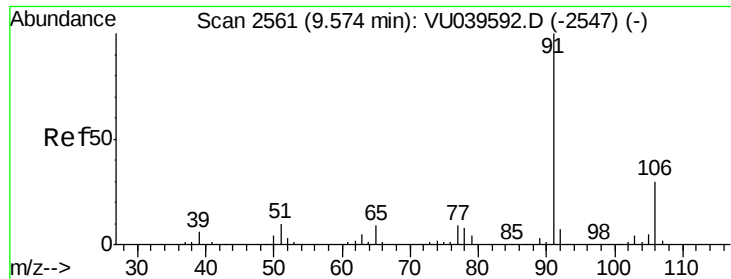
Abundance Ion 43.05 (42.75 to 43.75): VU039592.D (-2276) (-)

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) (-)





#52

Ethylbenzene

Concen: 0.120 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039612.D

Acq: 21 Jul 2020 21:10

Instrument :

MSVOA_U

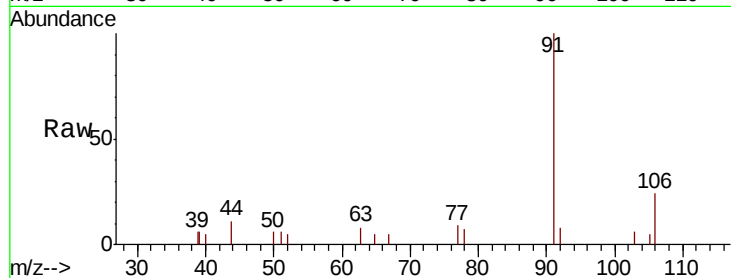
ClientSampleId :

Tot Ion: 91 Resp: 3814

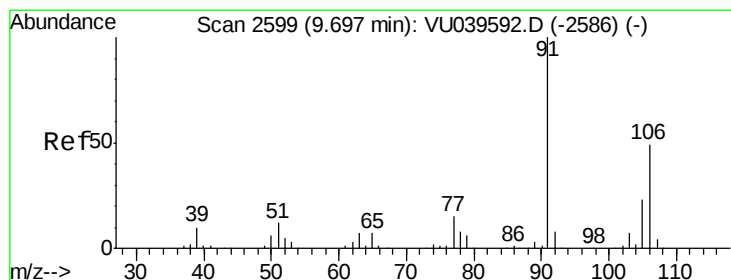
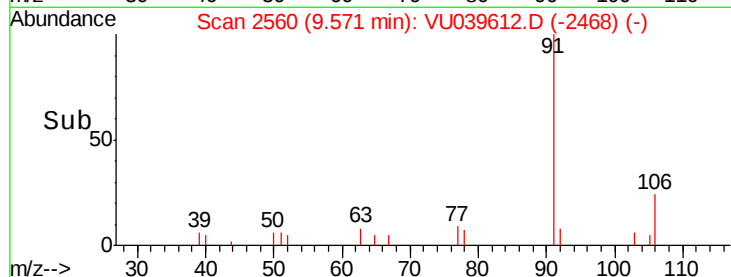
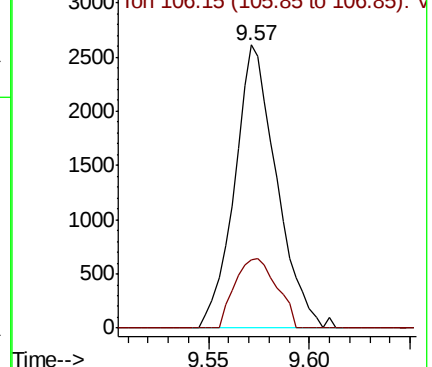
Ion Ratio Lower Upper

91 100

106 24.2 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039592.D (-2547) (-)



#53

m,p-Xylene

Concen: 0.186 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039612.D

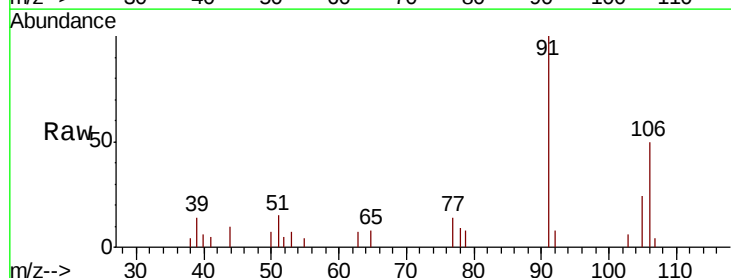
Acq: 21 Jul 2020 21:10

Tgt Ion: 106 Resp: 2205

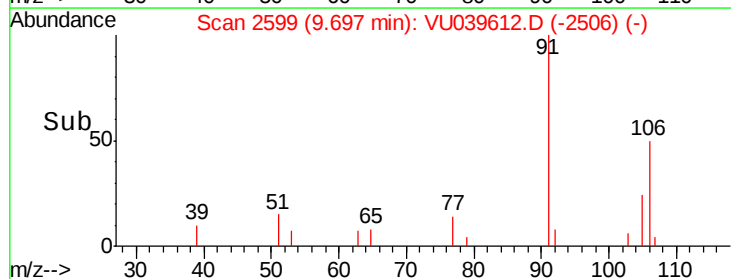
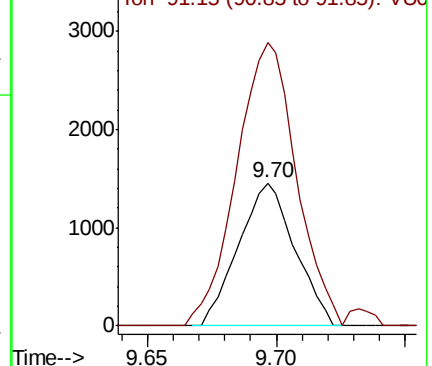
Ion Ratio Lower Upper

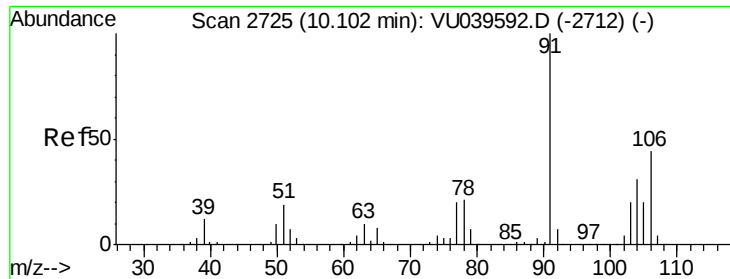
106 100

91 198.3 149.3 277.3



Abundance Ion 106.15 (105.85 to 106.85): VU039592.D (-2586) (-)

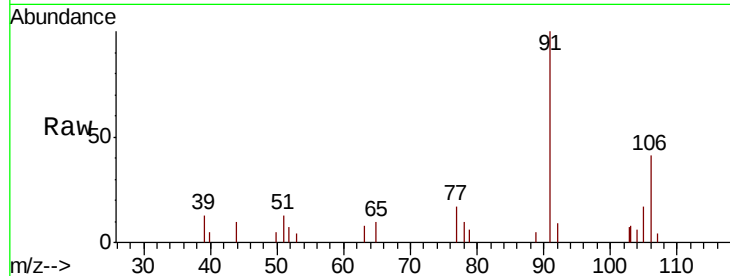




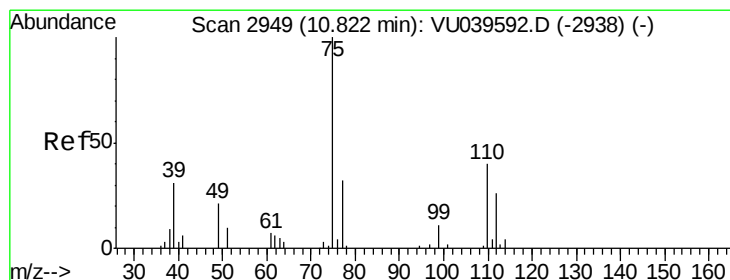
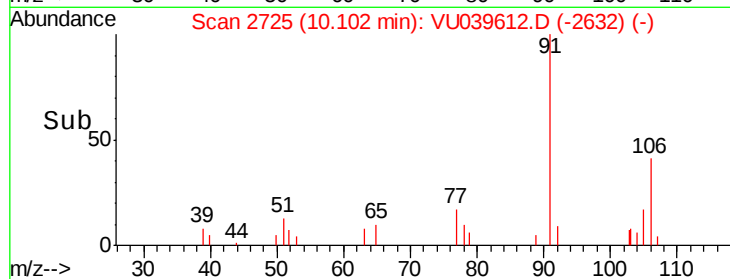
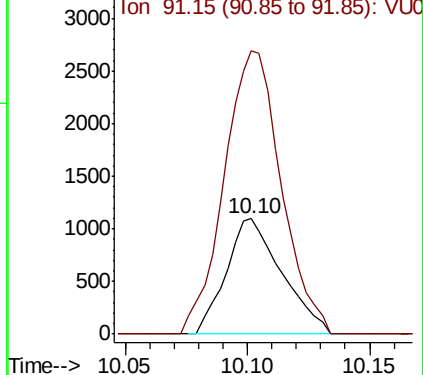
#54
o-Xylene
Concen: 0.150 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039612.D
Acq: 21 Jul 2020 21:10

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 106 Resp: 1735
Ion Ratio Lower Upper
106 100
91 245.9 157.4 292.4

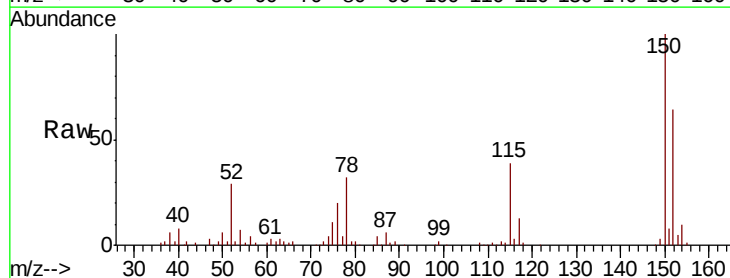


Abundance Ion 106.15 (105.85 to 106.85): VU039612.D (-2632) (-)
Ion 91.15 (90.85 to 91.85): VU039612.D (-2632) (-)



#59
1,2,3-Trichloropropane
Concen: 1.465 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU039612.D
Acq: 21 Jul 2020 21:10

Tgt Ion: 75 Resp: 7651
Ion Ratio Lower Upper
75 100
77 37.1 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU039612.D (-2327) (-)
Ion 77.00 (76.70 to 77.70): VU039612.D (-2327) (-)

