

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
 Data File : VU041342.D
 Acq On : 19 Nov 2020 14:43
 Operator : SY/MD
 Sample : L4790-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4391

Quant Time: Nov 20 06:32:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 20 05:56:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	64401	5.00	ug/L	0.02
28) Chlorobenzene-d5	9.42	117	62806	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	30374	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	14022	2.96	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.20%
7) Chloroethane-d5	1.93	69	14199	3.50	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.00%
11) 1,1-Dichloroethene-d2	2.58	63	23729	2.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	48.40%#
20) 2-Butanone-d5	4.75	46	78008	39.94	ug/L	0.09
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.88%
24) Chloroform-d	5.11	84	43160	4.21	ug/L	0.04
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
26) 1,2-Dichloroethane-d4	5.75	65	27232	4.07	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.40%
32) Benzene-d6	5.77	84	68779	4.06	ug/L	0.03
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.20%
36) 1,2-Dichloropropane-d6	6.72	67	25740	4.41	ug/L	0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.20%
41) Toluene-d8	7.91	98	53745	3.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.40%#
43) trans-1,3-Dichloropropene-	8.20	79	9309	3.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.20%
46) 2-Hexanone-d5	8.65	63	60416	45.04	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.08%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	24361	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	26895	4.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	23655	4.231	ug/L #	76
8) Chloroethane	1.95	64	8456	2.279	ug/L #	57
13) Acetone	2.78	43	7585	5.854	ug/L	72
14) Carbon disulfide	2.81	76	4487	0.364	ug/L	98
15) Methyl Acetate	3.02	43	1342	0.499	ug/L #	75
18) trans-1,2-Dichloroethene	3.37	96	17210	4.215	ug/L	96
19) 1,1-Dichloroethane	3.90	63	3000	0.329	ug/L	97
21) 2-Butanone	4.83	43	8616	4.380	ug/L	86
22) cis-1,2-Dichloroethene	4.71	96	18832	4.084	ug/L	93
33) Benzene	5.81	78	26855	1.578	ug/L	100
34) Trichloroethene	6.57	95	2134	0.464	ug/L	85
42) Toluene	7.99	91	56763	3.121	ug/L	94
52) Ethylbenzene	9.57	91	12466	0.642	ug/L	98
53) m,p-Xylene	9.70	106	11012	1.569	ug/L	98
54) o-Xylene	10.10	106	5623	0.832	ug/L	95
56) Isopropylbenzene	10.48	105	1528	0.085	ug/L	97

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 20 05:56:10 2020
Response via : Initial Calibration

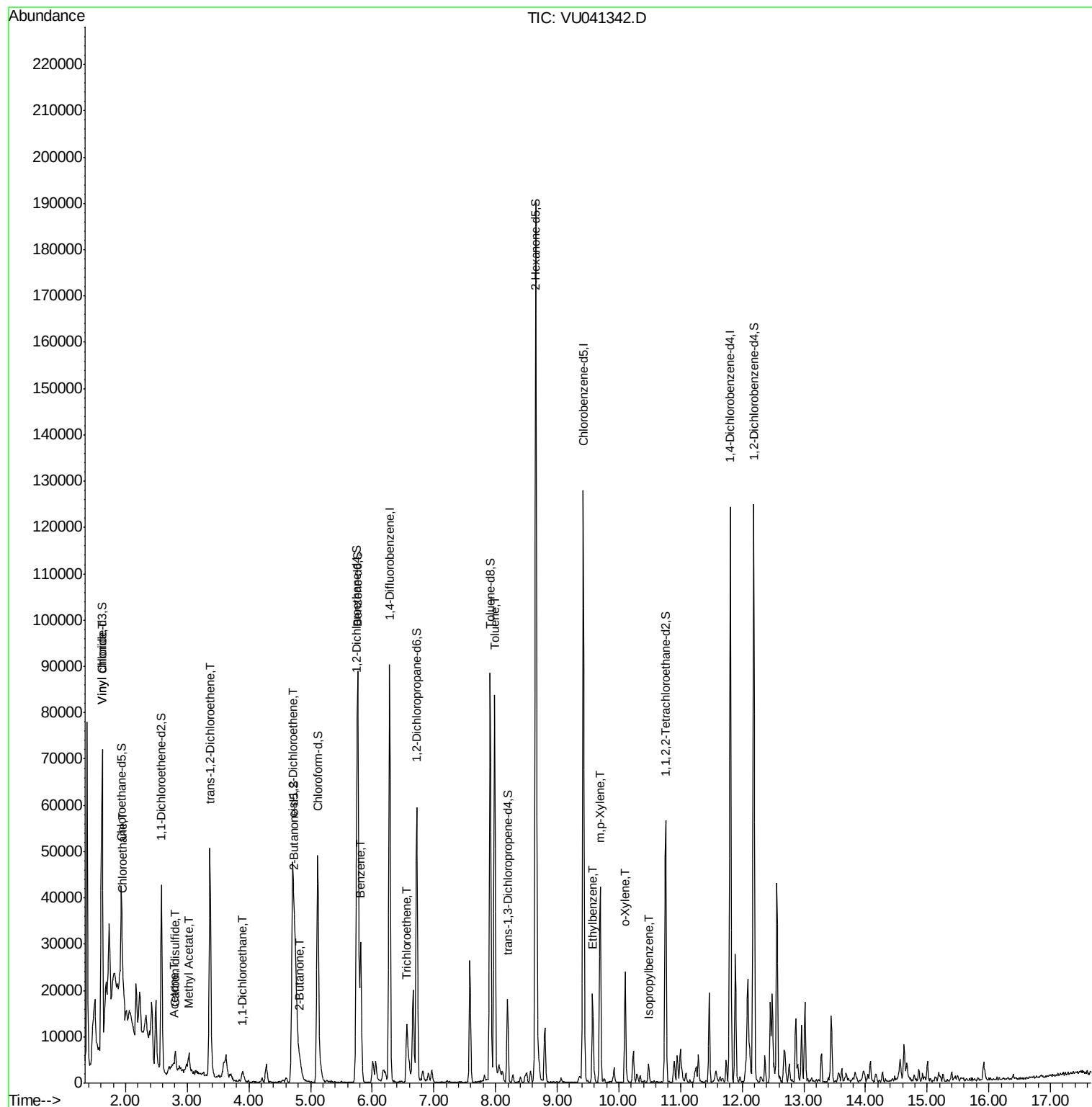
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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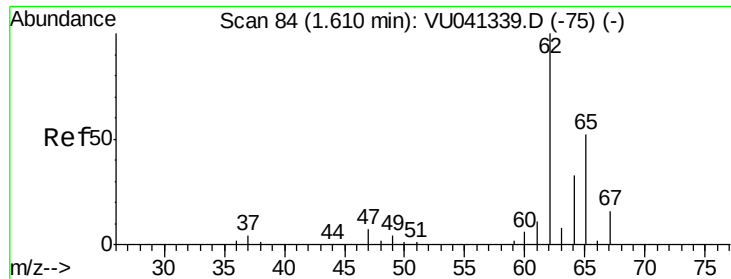
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 4.231 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VU041342.D

Acq: 19 Nov 2020 14:43

Instrument :

MSVOA_U

ClientSampleId :

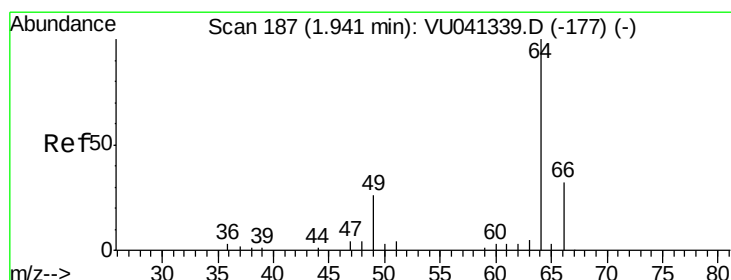
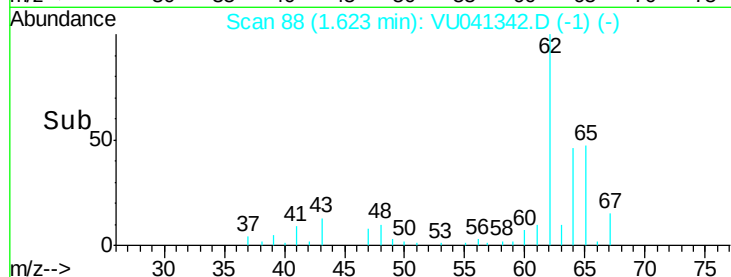
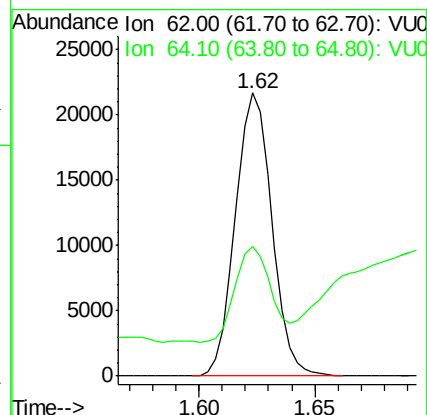
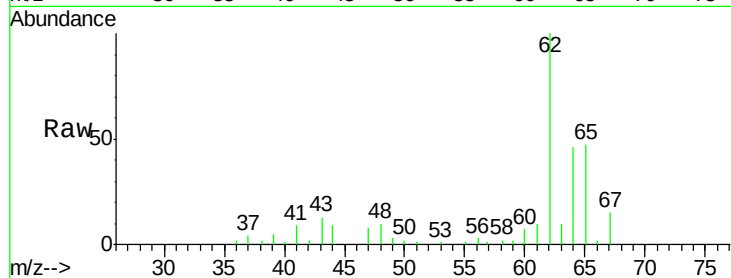
H4391

Tot Ion: 62 Resp: 23655

Ion Ratio Lower Upper

62 100

64 45.8 22.7 42.3#



#8

Chloroethane

Concen: 2.279 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.01 min

Lab File: VU041342.D

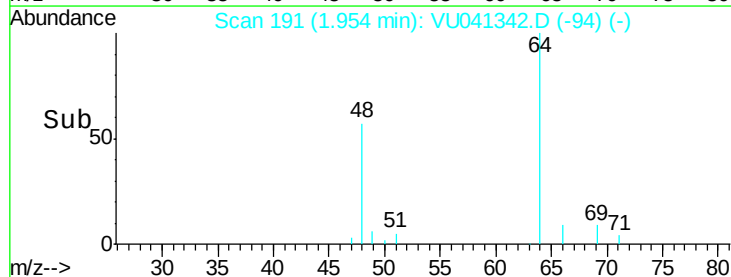
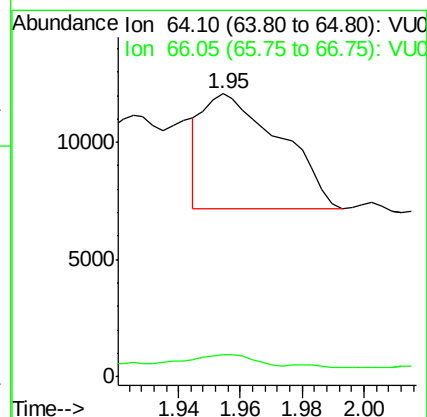
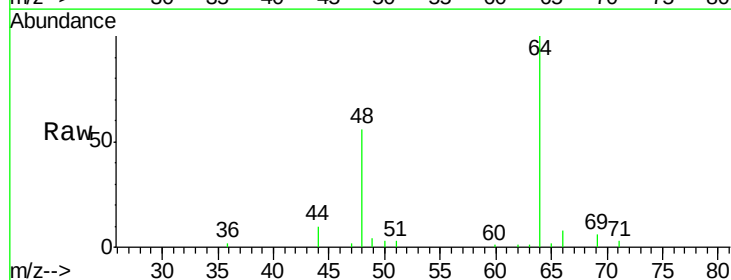
Acq: 19 Nov 2020 14:43

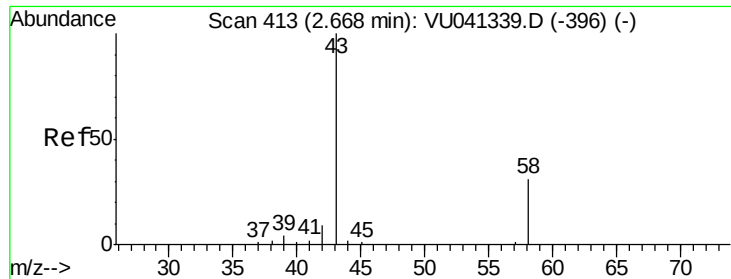
Tgt Ion: 64 Resp: 8456

Ion Ratio Lower Upper

64 100

66 7.9 22.3 41.5#





#13

Acetone

Concen: 5.854 ug/L

RT: 2.78 min Scan# 447

Delta R.T. 0.11 min

Lab File: VU041342.D

Acq: 19 Nov 2020 14:43

Instrument :

MSVOA_U

ClientSampleId :

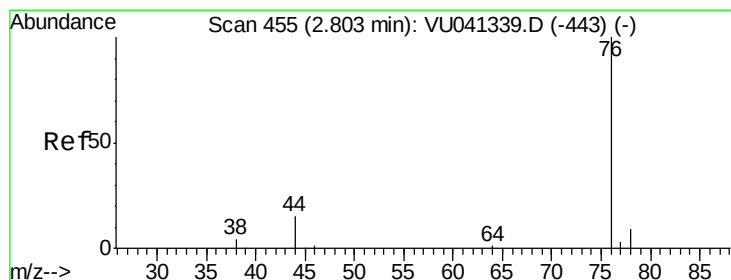
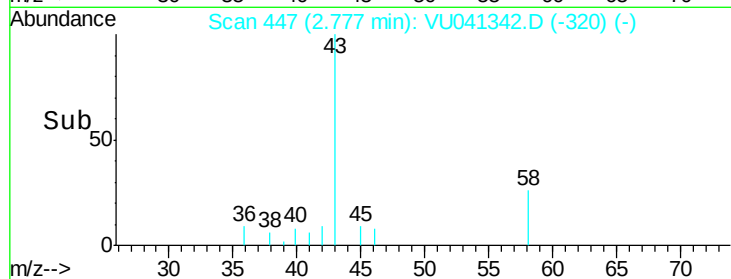
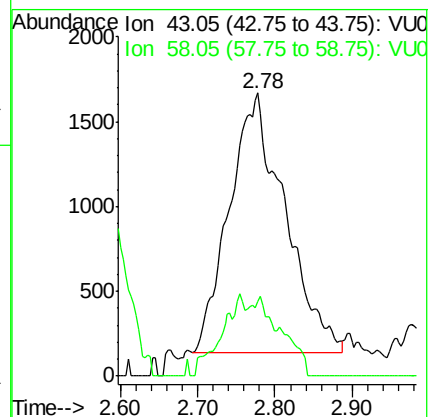
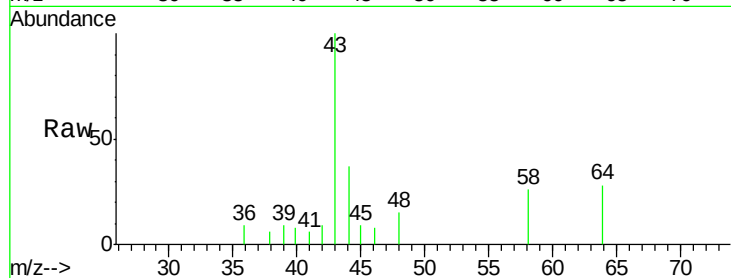
H4391

Tot Ion: 43 Resp: 7585

Ion Ratio Lower Upper

43 100

58 1.6 0.0 25.4



#14

Carbon disulfide

Concen: 0.364 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041342.D

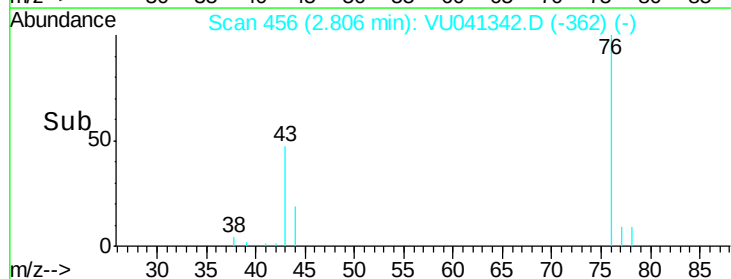
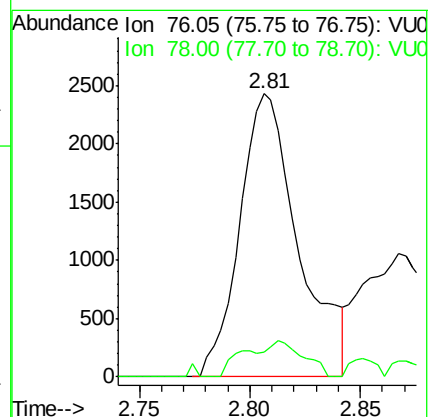
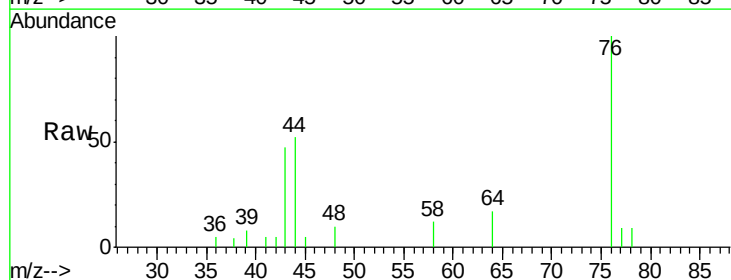
Acq: 19 Nov 2020 14:43

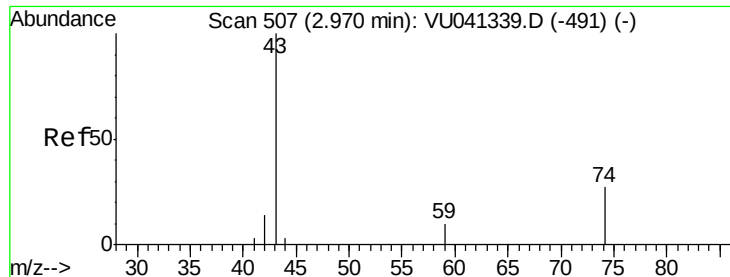
Tgt Ion: 76 Resp: 4487

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3

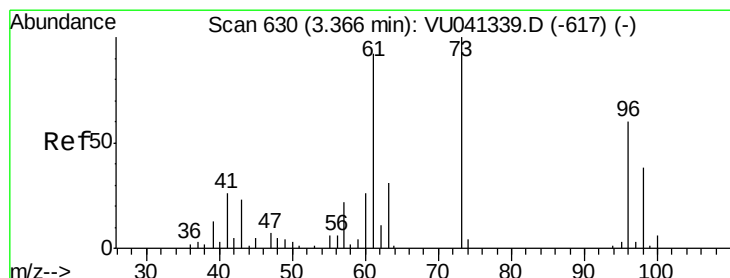
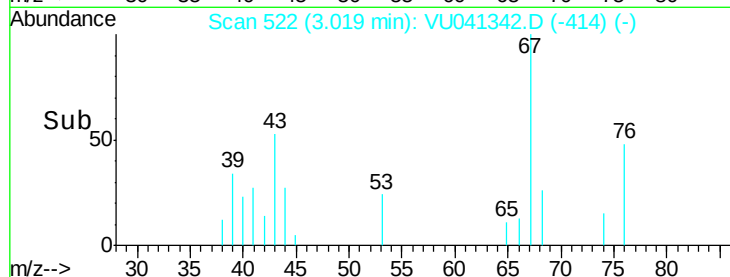
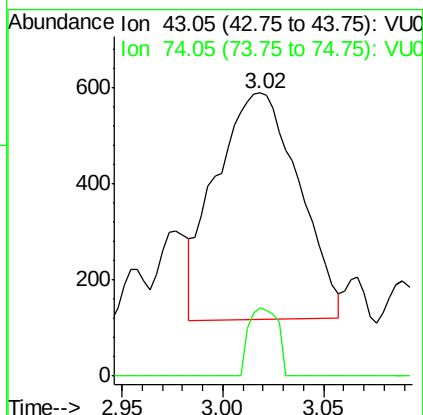
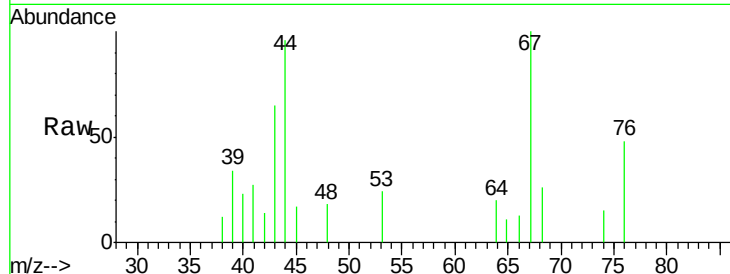




#15
Methvl Acetate
Concen: 0.499 ug/L
RT: 3.02 min Scan# 522
Delta R.T. 0.05 min
Lab File: VU041342.D
Acq: 19 Nov 2020 14:43

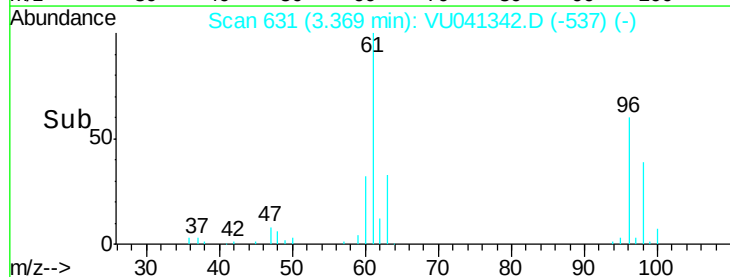
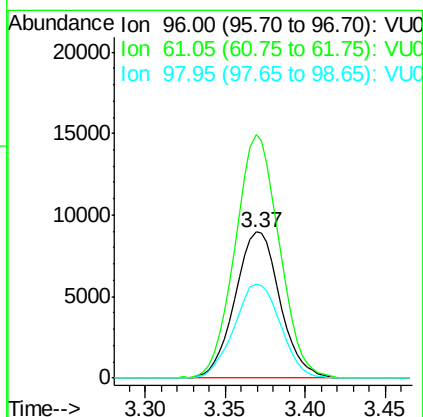
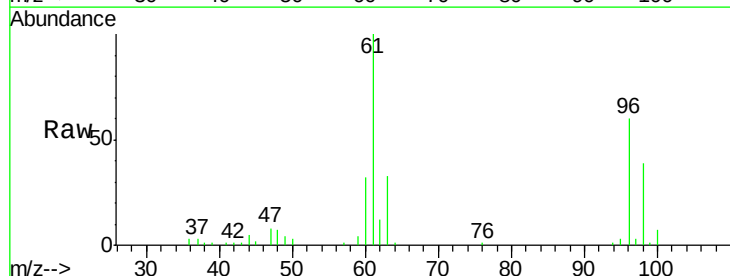
Instrument :
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ClientSampleId :
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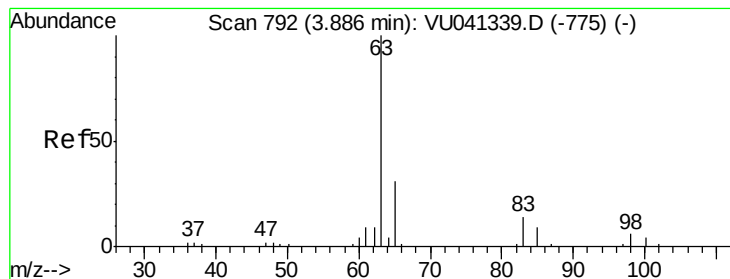
Tot Ion: 43 Resp: 1342
Ion Ratio Lower Upper
43 100
74 10.8 18.3 27.5#



#18
trans-1,2-Dichloroethene
Concen: 4.215 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041342.D
Acq: 19 Nov 2020 14:43

Tgt Ion: 96 Resp: 17210
Ion Ratio Lower Upper
96 100
61 166.5 110.9 205.9
98 64.6 45.4 84.2





#19

1,1-Dichloroethane

Concen: 0.329 ug/L

RT: 3.90 min Scan# 797

Delta R.T. 0.02 min

Lab File: VU041342.D

Acq: 19 Nov 2020 14:43

Instrument :

MSVOA_U

ClientSampleId :

H4391

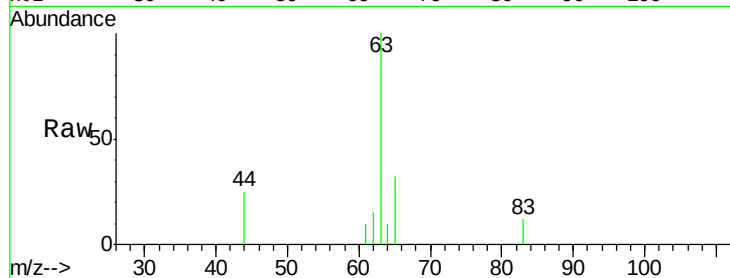
Tot Ion: 63 Resp: 3000

Ion Ratio Lower Upper

63 100

65 32.1 21.3 39.6

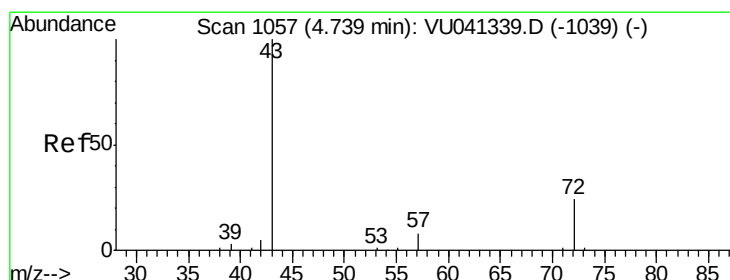
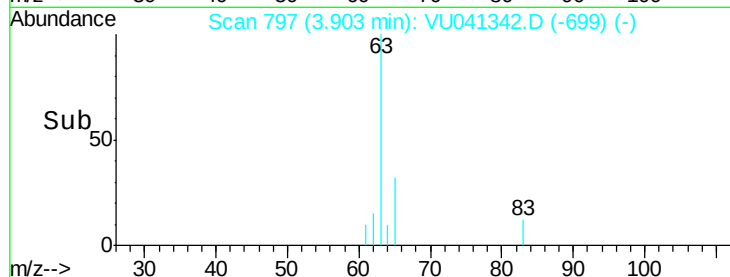
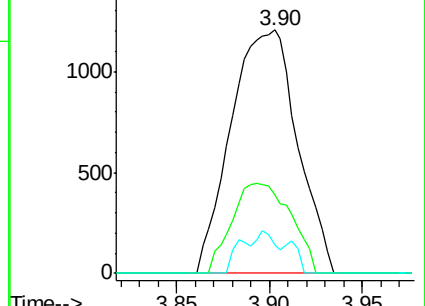
83 11.6 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



#21

2-Butanone

Concen: 4.380 ug/L

RT: 4.83 min Scan# 1084

Delta R.T. 0.09 min

Lab File: VU041342.D

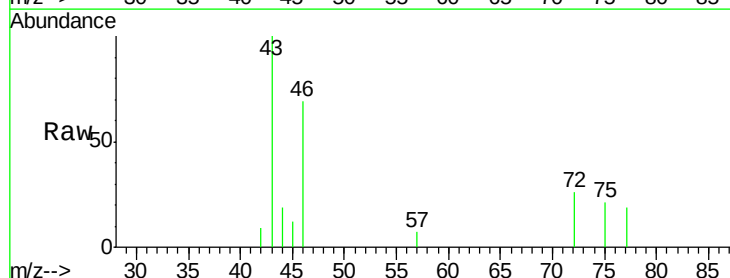
Acq: 19 Nov 2020 14:43

Tgt Ion: 43 Resp: 8616

Ion Ratio Lower Upper

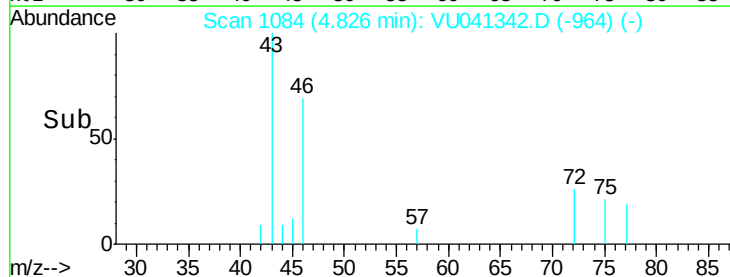
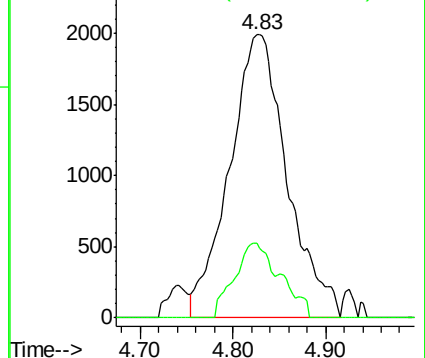
43 100

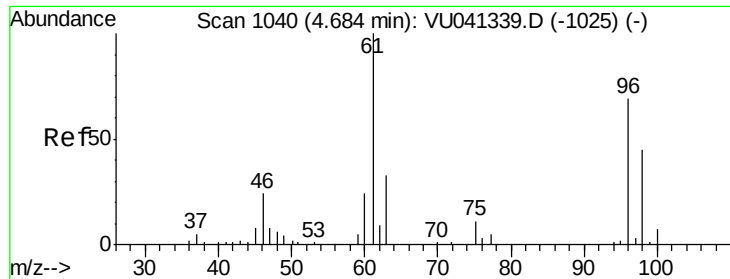
72 16.6 11.8 35.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 4.084 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.03 min

Lab File: VU041342.D

Acq: 19 Nov 2020 14:43

Instrument :

MSVOA_U

ClientSampleId :

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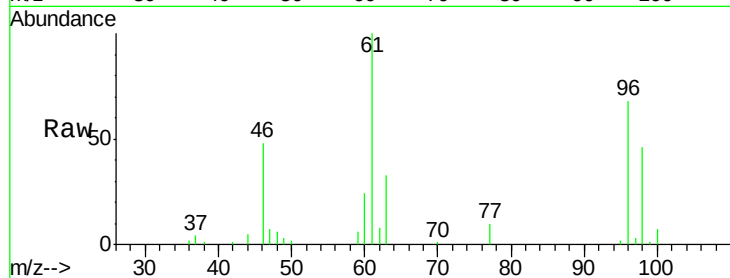
Tot Ion: 96 Resp: 18832

Ion Ratio Lower Upper

96 100

61 147.7 97.2 180.4

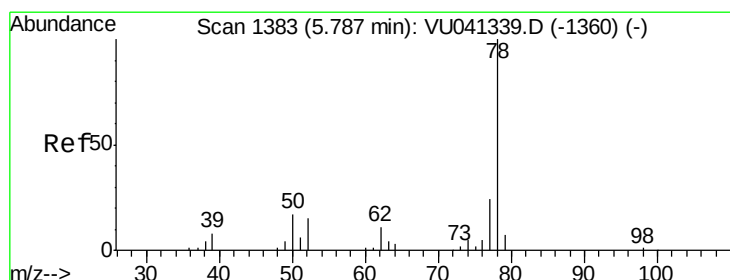
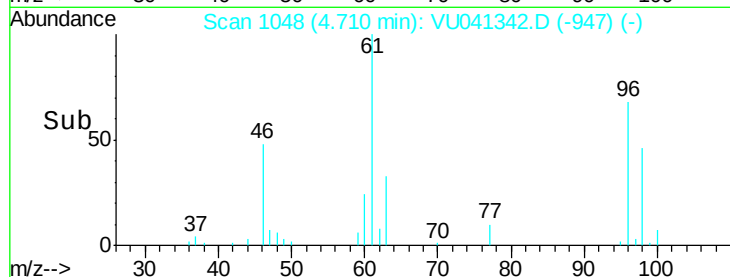
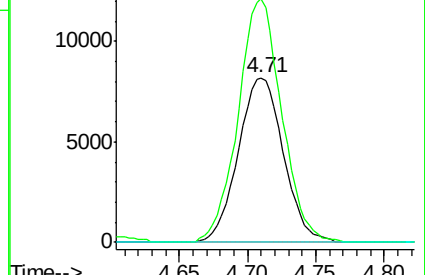
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041339.D (-1025) (-)

Ion 61.05 (60.75 to 61.75): VU041339.D (-1025) (-)

Ion 68.15 (67.85 to 68.85): VU041339.D (-1025) (-)



#33

Benzene

Concen: 1.578 ug/L

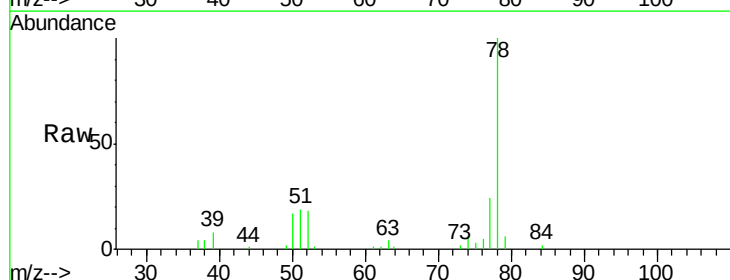
RT: 5.81 min Scan# 1391

Delta R.T. 0.03 min

Lab File: VU041342.D

Acq: 19 Nov 2020 14:43

Tgt Ion: 78 Resp: 26855



Abundance Ion 78.10 (77.80 to 78.80): VU041339.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU041339.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU041339.D (-1360) (-)

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Ion 78.10 (77.80 to 78.80): VU041339.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU041339.D (-1360) (-)

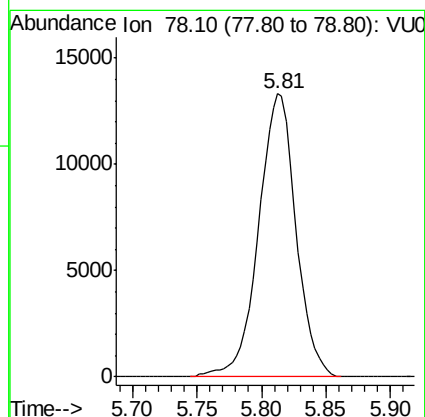
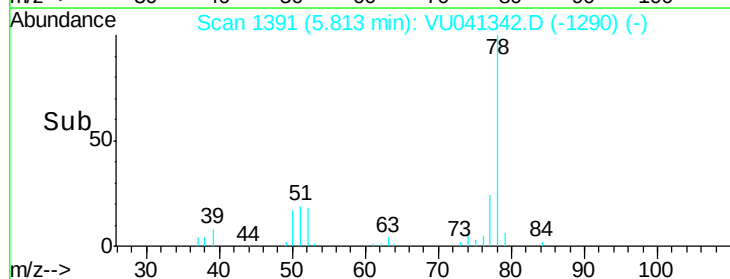
Ion 78.10 (77.80 to 78.80): VU041339.D (-1360) (-)

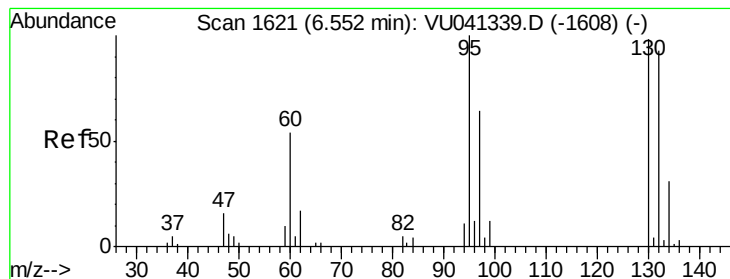
Ion 78.10 (77.80 to 78.80): VU041339.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU041339.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU041339.D (-1360) (-)

Ion 78.10 (77.80 to 78.80): VU041339.D (-1360) (-)





#34

Trichloroethene

Concen: 0.464 ug/L

RT: 6.57 min Scan# 1626

Delta R.T. 0.02 min

Lab File: VU041342.D

Acq: 19 Nov 2020 14:43

Instrument :

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Tot Ion: 95 Resp: 2134

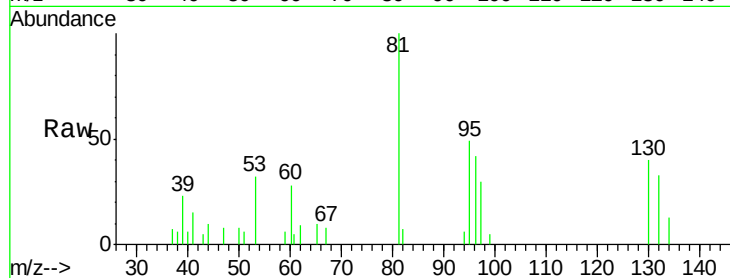
Ion Ratio Lower Upper

95 100

97 61.8 45.6 84.6

132 67.2 64.8 120.4

130 82.7 64.8 120.4

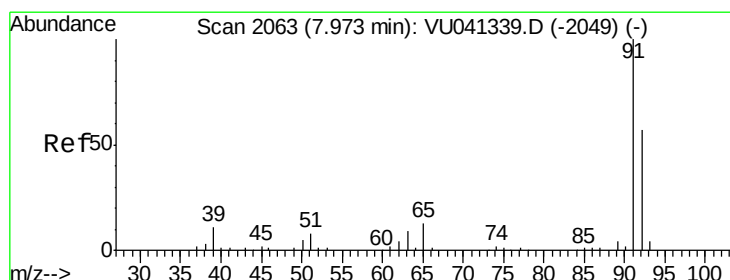
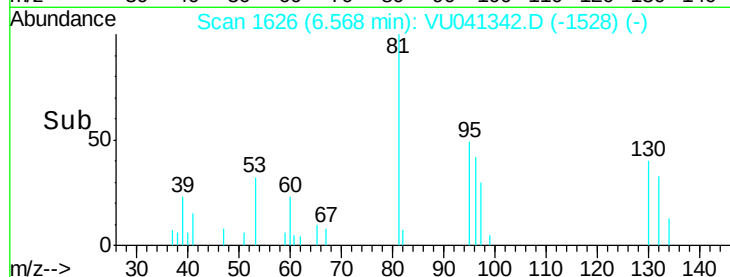
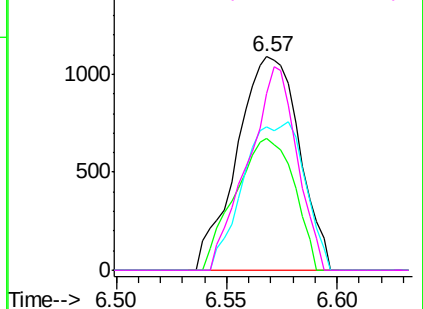


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#42

Toluene

Concen: 3.121 ug/L

RT: 7.99 min Scan# 2067

Delta R.T. 0.01 min

Lab File: VU041342.D

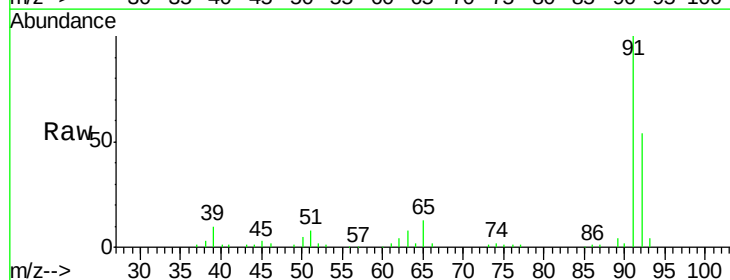
Acq: 19 Nov 2020 14:43

Tgt Ion: 91 Resp: 56763

Ion Ratio Lower Upper

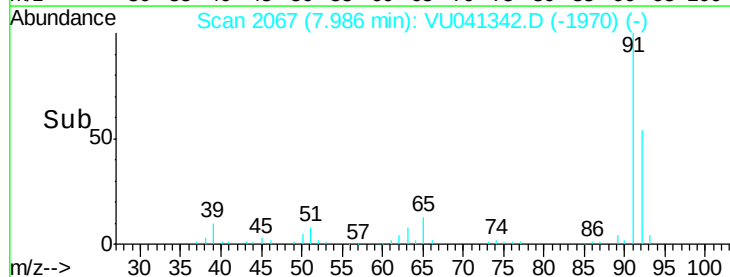
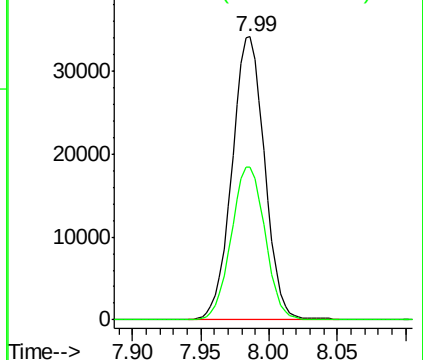
91 100

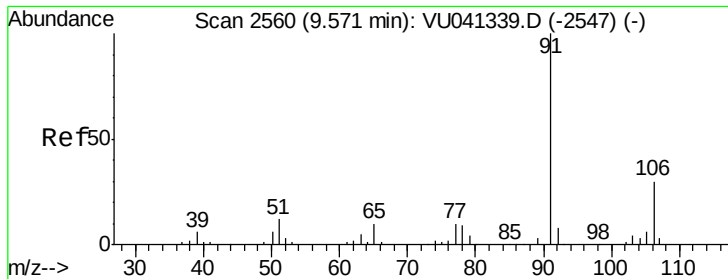
92 53.8 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0





#52

Ethylbenzene

Concen: 0.642 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU041342.D

Acq: 19 Nov 2020 14:43

Instrument :

MSVOA_U

ClientSampleId :

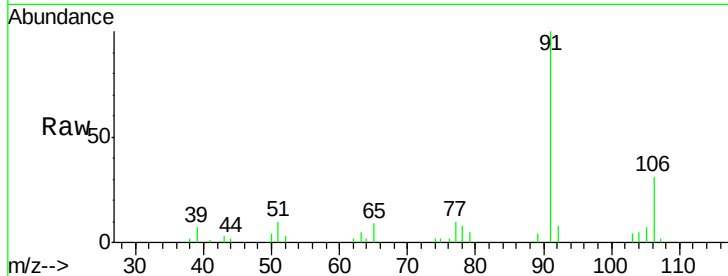
H4391

Tot Ion: 91 Resp: 12466

Ion Ratio Lower Upper

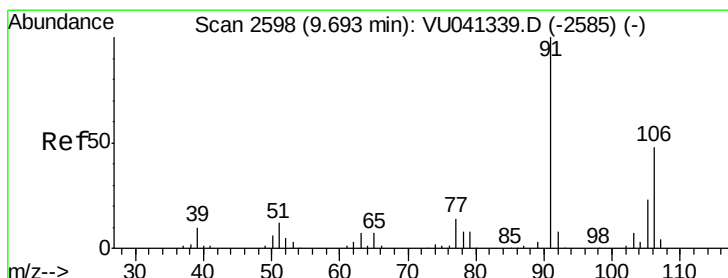
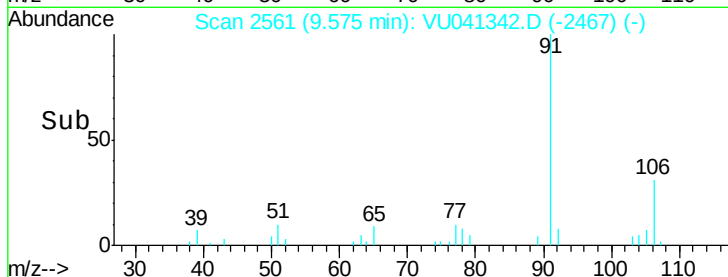
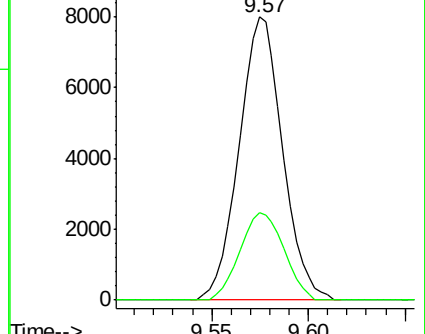
91 100

106 30.9 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041339.D (-2547) (-)

Ion 106.15 (105.85 to 106.85): VU041339.D (-2547) (-)



#53

m,p-Xylene

Concen: 1.569 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU041342.D

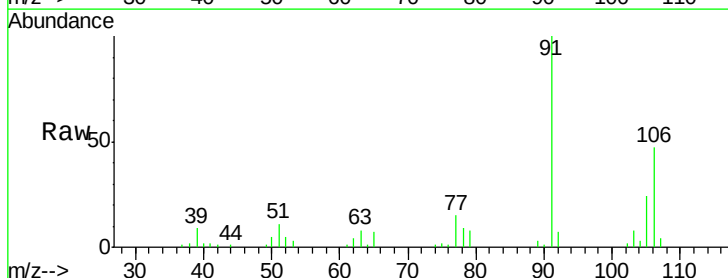
Acq: 19 Nov 2020 14:43

Tgt Ion: 106 Resp: 11012

Ion Ratio Lower Upper

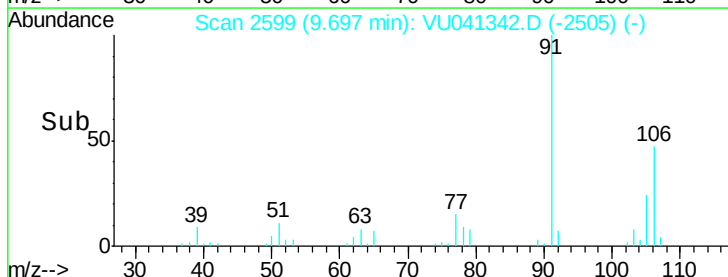
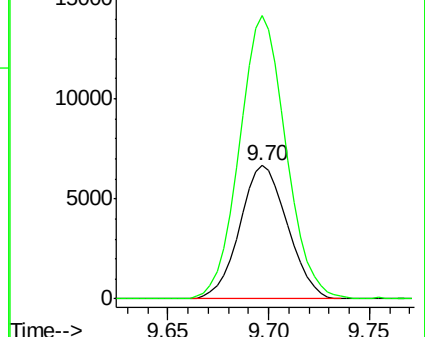
106 100

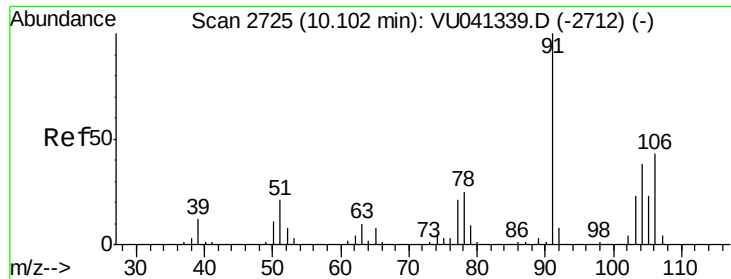
91 211.9 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041339.D (-2585) (-)

Ion 91.15 (90.85 to 91.85): VU041339.D (-2585) (-)

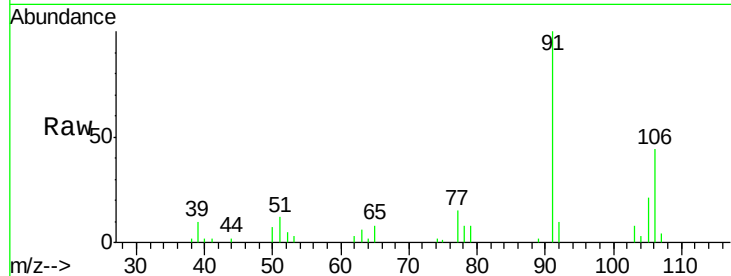




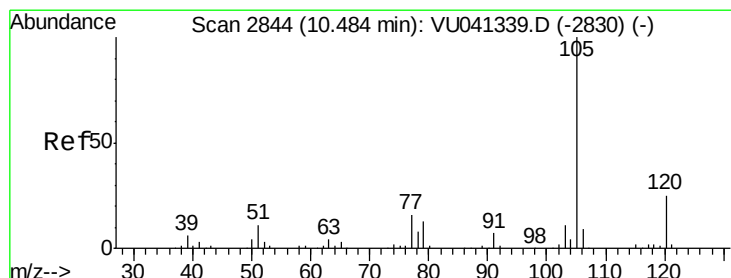
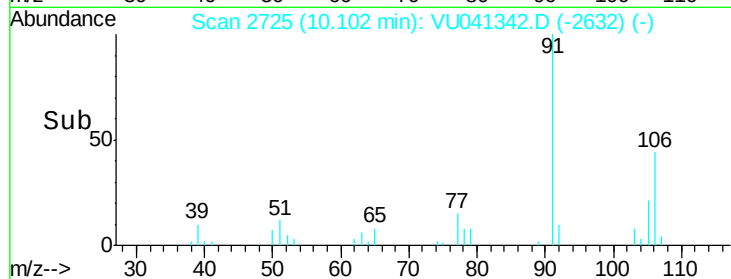
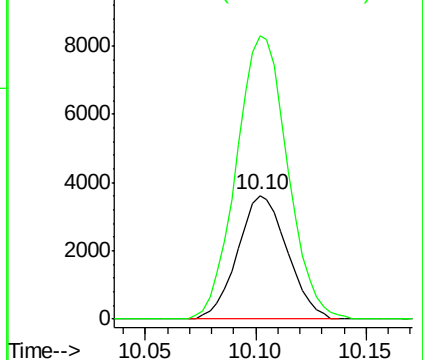
#54
o-Xylene
Concen: 0.832 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041342.D
Acq: 19 Nov 2020 14:43

Instrument :
MSVOA_U
ClientSampleId :
H4391

Tot Ion:106 Resp: 5623
Ion Ratio Lower Upper
106 100
91 228.5 154.3 286.5

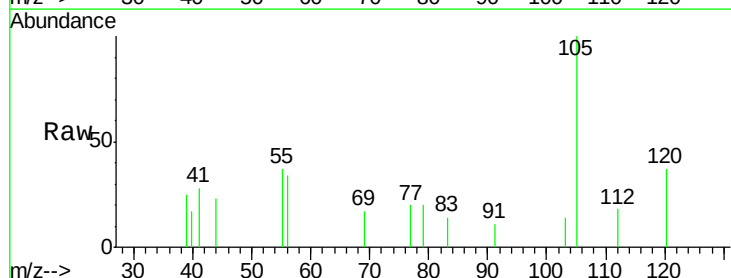


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0



#56
Isopropylbenzene
Concen: 0.085 ug/L
RT: 10.48 min Scan# 2844
Delta R.T. 0.00 min
Lab File: VU041342.D
Acq: 19 Nov 2020 14:43

Tgt Ion:105 Resp: 1528
Ion Ratio Lower Upper
105 100
120 24.5 20.7 31.1
77 15.4 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): VU0

