

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100920\
 Data File : VU040610.D
 Acq On : 10 Oct 2020 02:06
 Operator : SY/MD
 Sample : L4352-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETYZ6

Quant Time: Oct 10 06:07:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 10 05:58:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	129581	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	134130	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	55859	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	47684	4.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.80%
7) Chloroethane-d5	1.92	69	40295	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.58	63	75108	3.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.60%
20) 2-Butanone-d5	4.67	46	191395	55.70	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.40%
24) Chloroform-d	5.08	84	95925	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.72	65	59258	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	5.74	84	175511	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.70	67	59429	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	7.91	98	139878	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	8.19	79	22998	4.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.40%
46) 2-Hexanone-d5	8.64	63	136022	51.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.76%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	52936	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	57140	5.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.40%

Target Compounds

					Ovalue
3) Chloromethane	1.55	50	1490	0.136 ug/L #	43
8) Chloroethane	2.17	64	889	0.121 ug/L #	49
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	531	0.049 ug/L #	20
13) Acetone	2.67	43	2193	0.823 ug/L	86
14) Carbon disulfide	2.81	76	5237	0.202 ug/L #	91
27) 1,2-Dichloroethane	5.81	62	630	0.044 ug/L #	77
35) Methylcyclohexane	6.70	83	13906	0.878 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6761	0.563 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1748	0.107 ug/L #	70
42) Toluene	7.98	91	1767	0.040 ug/L	84
44) trans-1,3-Dichloropropene	8.18	75	1080	0.072 ug/L	96
48) 2-Hexanone	8.64	43	19398	2.722 ug/L #	73
52) Ethylbenzene	9.57	91	6378	0.134 ug/L	90
53) m,p-Xylene	9.69	106	9357	0.540 ug/L	98
54) o-Xylene	10.10	106	2461	0.148 ug/L	93
59) 1,2,3-Trichloropropane	11.81	75	7715	0.875 ug/L	93
69) Naphthalene	14.07	128	808	0.049 ug/L #	69

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 10 05:58:50 2020
Response via : Initial Calibration

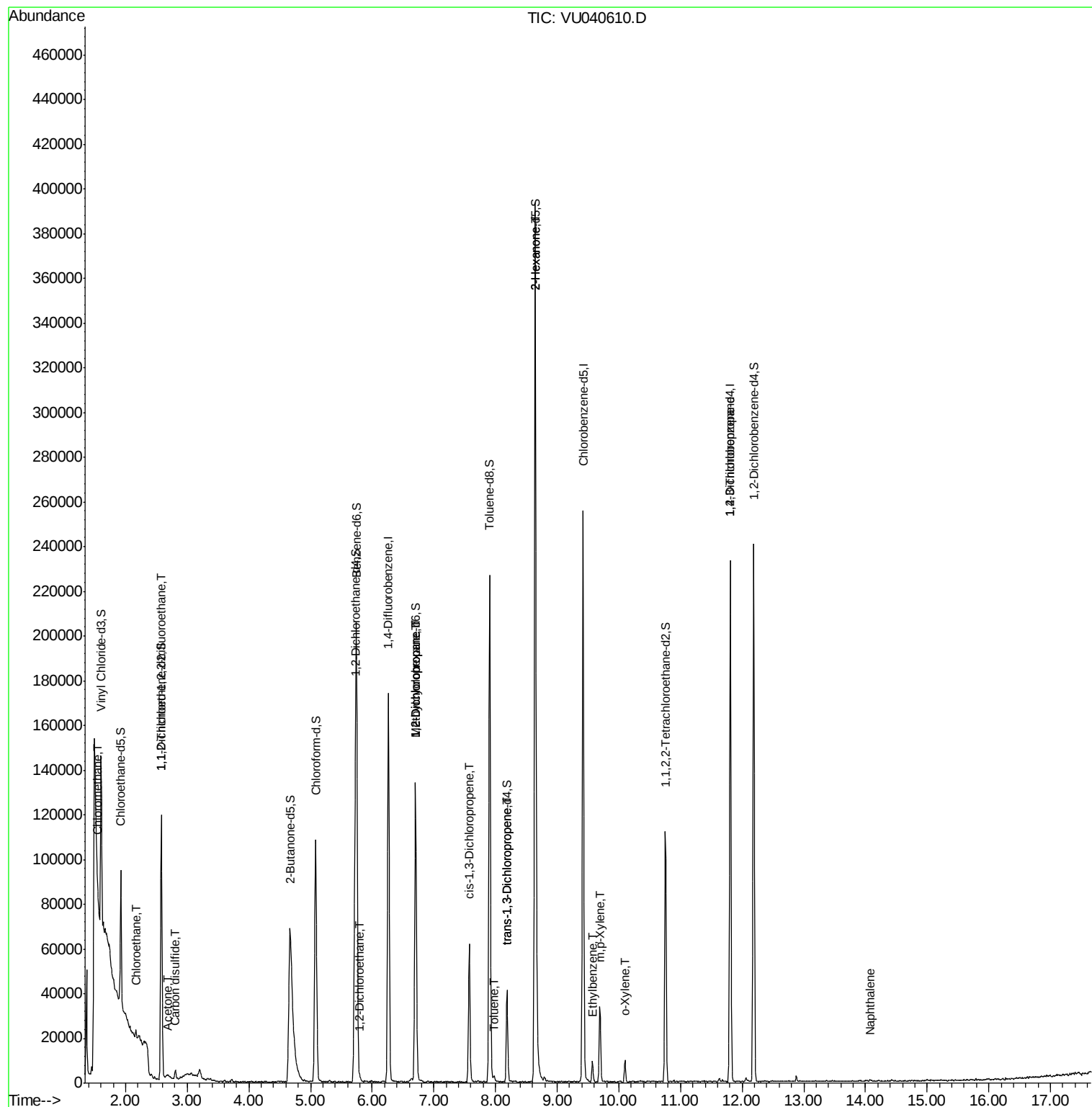
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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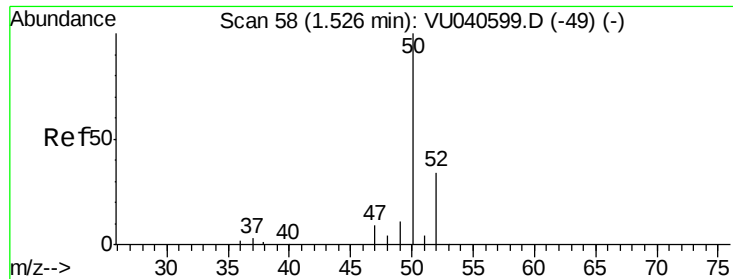
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.136 ug/L

RT: 1.55 min Scan# 66

Delta R.T. 0.03 min

Lab File: VU040610.D

Acq: 10 Oct 2020 02:06

Instrument :

MSVOA_U

ClientSampleId :

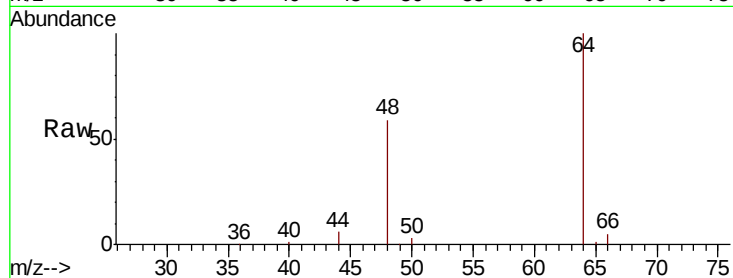
ETYZ6

Tot Ion: 50 Resp: 1490

Ion Ratio Lower Upper

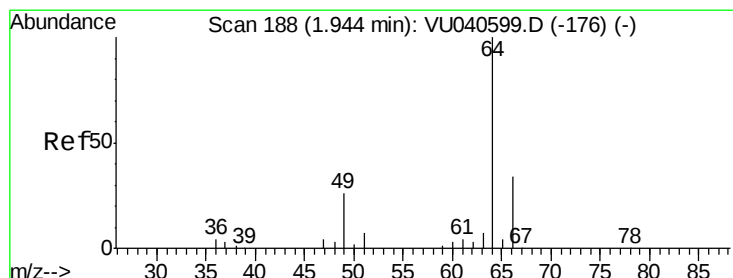
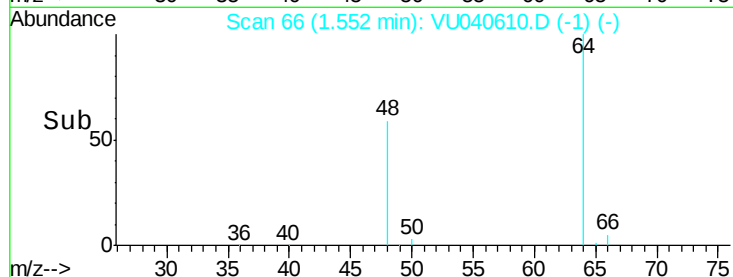
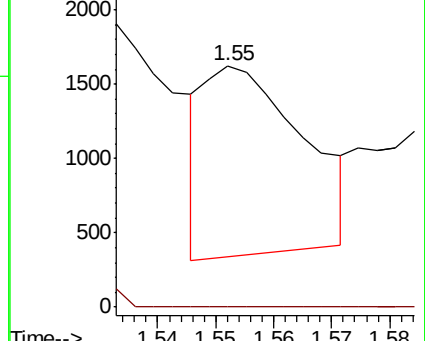
50 100

52 0.0 21.9 40.7#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.121 ug/L

RT: 2.17 min Scan# 257

Delta R.T. 0.22 min

Lab File: VU040610.D

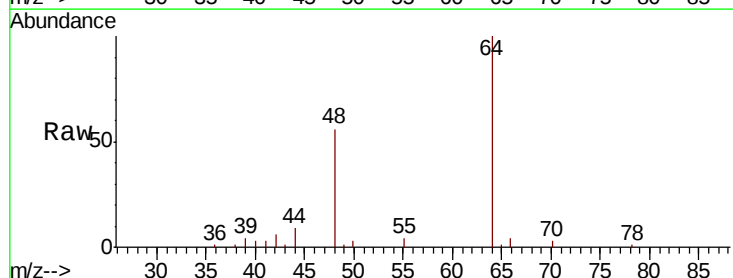
Acq: 10 Oct 2020 02:06

Tgt Ion: 64 Resp: 889

Ion Ratio Lower Upper

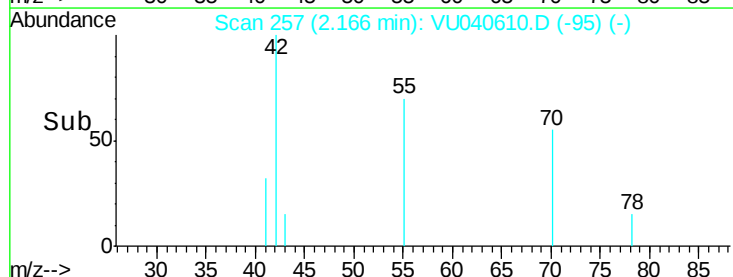
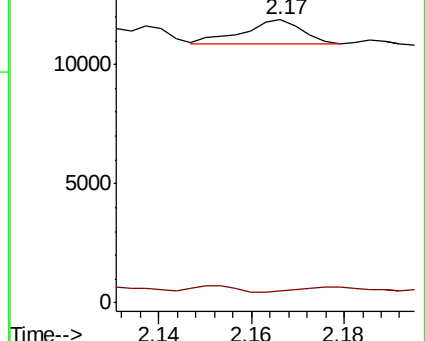
64 100

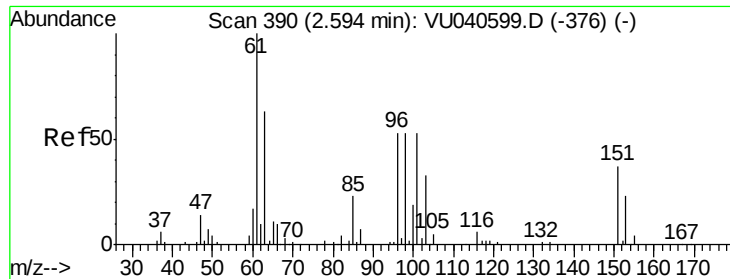
66 4.3 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#10

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

Concen: 0.049 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU040610.D

Acq: 10 Oct 2020 02:06

Instrument :

MSVOA_U

ClientSampleId :

ETYZ6

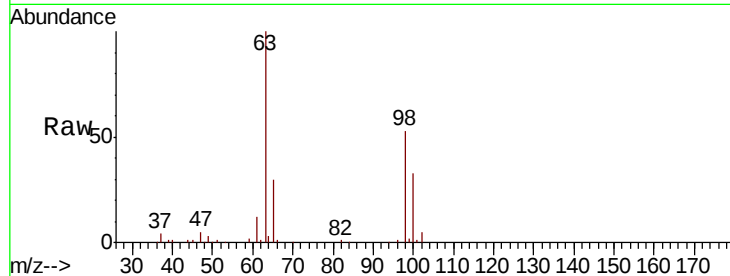
Tot Ion:101 Resp: 531

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

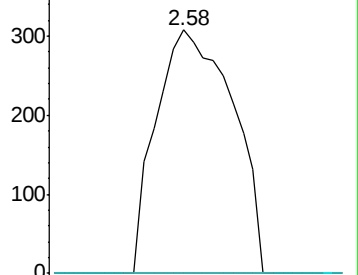
151 0.0 58.0 87.0#



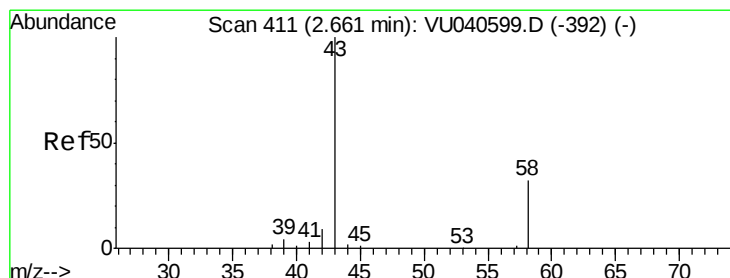
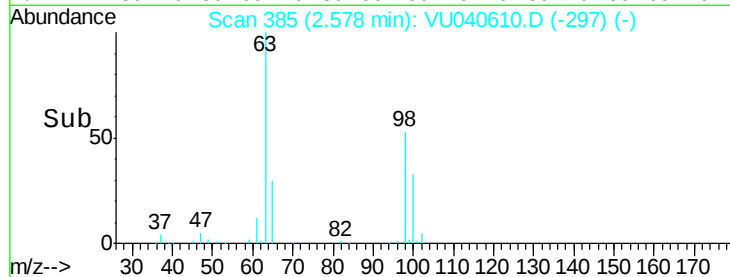
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



Time-->



#13

Acetone

Concen: 0.823 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU040610.D

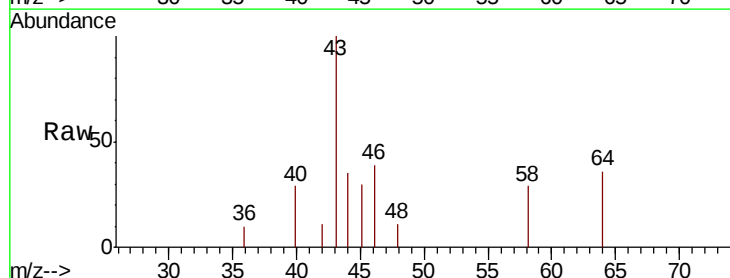
Acq: 10 Oct 2020 02:06

Tgt Ion: 43 Resp: 2193

Ion Ratio Lower Upper

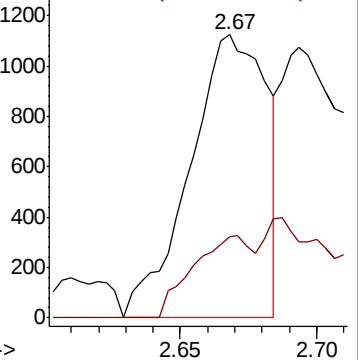
43 100

58 22.8 0.0 60.6

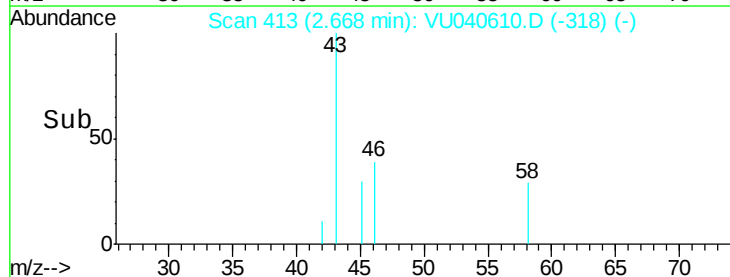


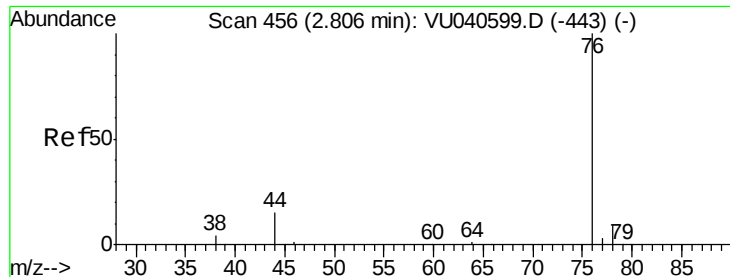
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



Time-->

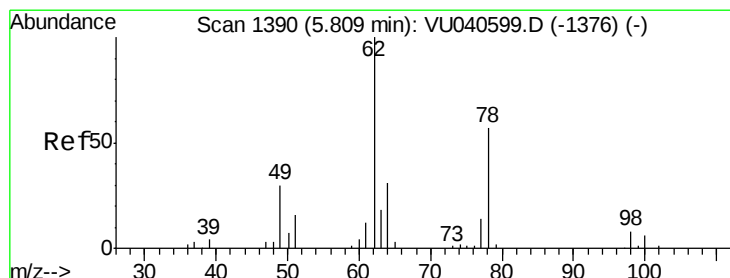
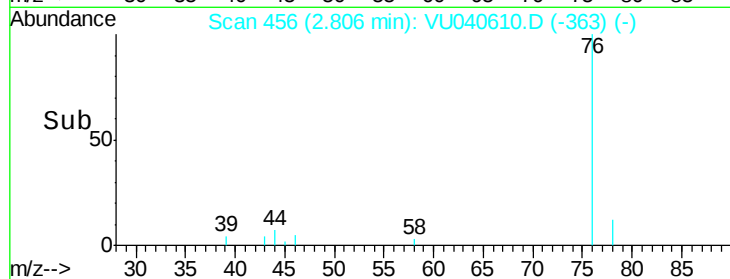
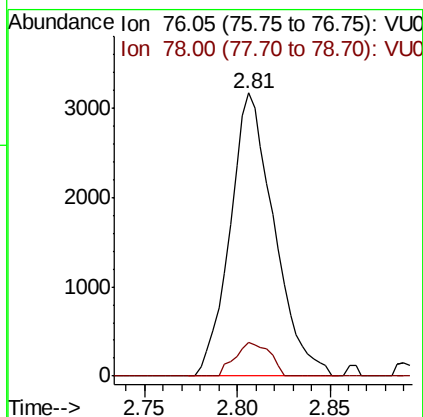
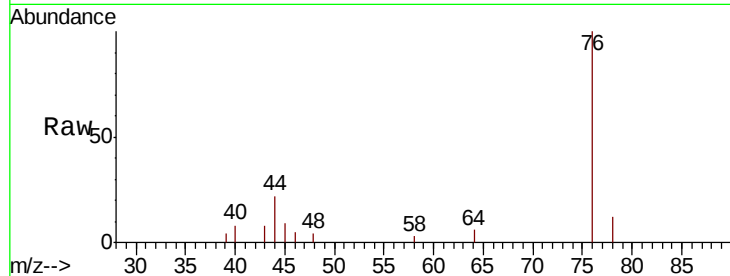




#14
Carbon disulfide
Concen: 0.202 ug/L
RT: 2.81 min Scan# 456
Delta R.T. -0.00 min
Lab File: VU040610.D
Acq: 10 Oct 2020 02:06

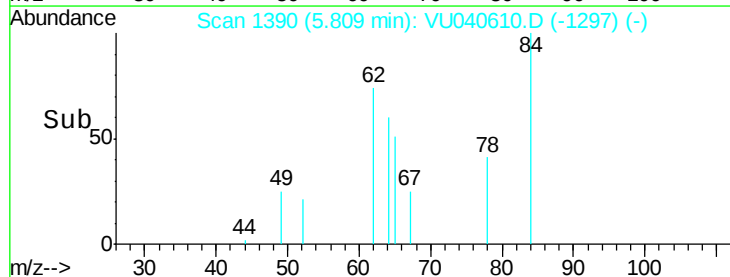
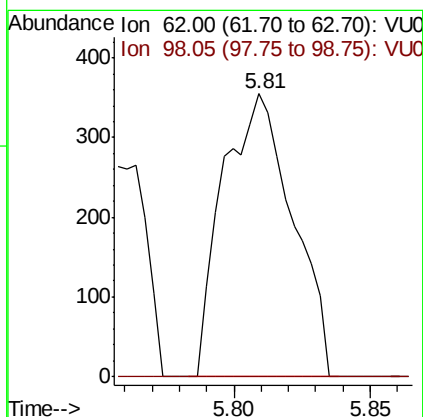
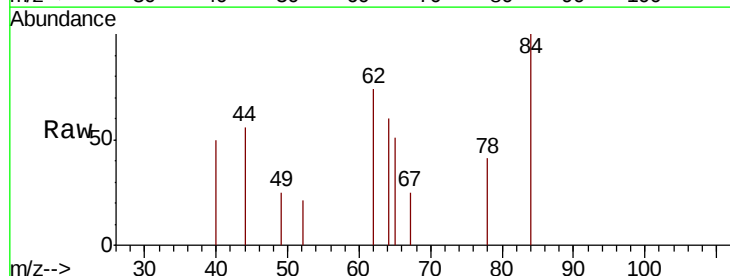
Instrument :
MSVOA_U
ClientSampled :
ETYZ6

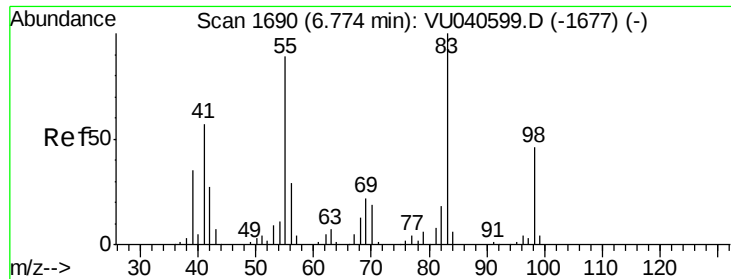
Tot Ion: 76 Resp: 5237
Ion Ratio Lower Upper
76 100
78 11.7 6.8 10.2#



#27
1,2-Dichloroethane
Concen: 0.044 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040610.D
Acq: 10 Oct 2020 02:06

Tgt Ion: 62 Resp: 630
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#

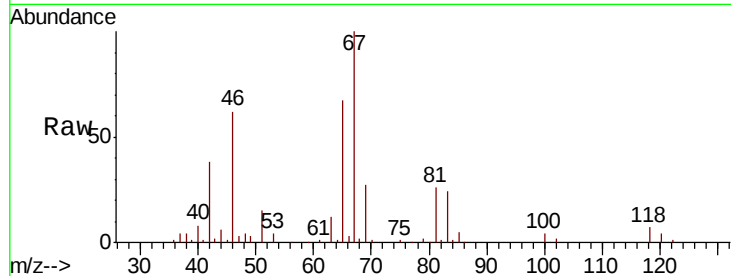




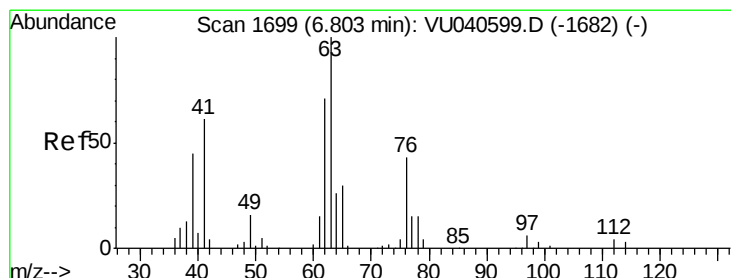
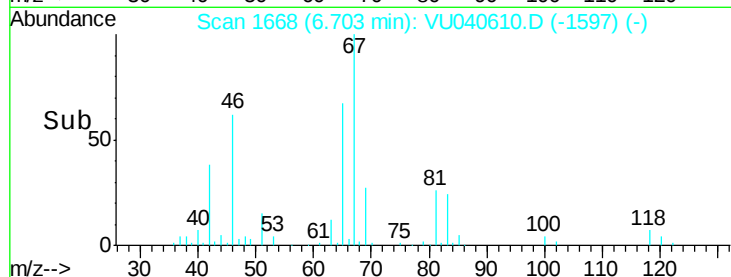
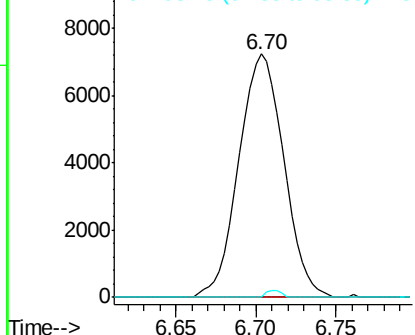
#35
Methvlcvclohexane
Concen: 0.878 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040610.D
Acq: 10 Oct 2020 02:06

Instrument :
MSVOA_U
ClientSampleId :
ETYZ6

Tot Ion: 83 Resp: 13906
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.9 38.4 57.6#

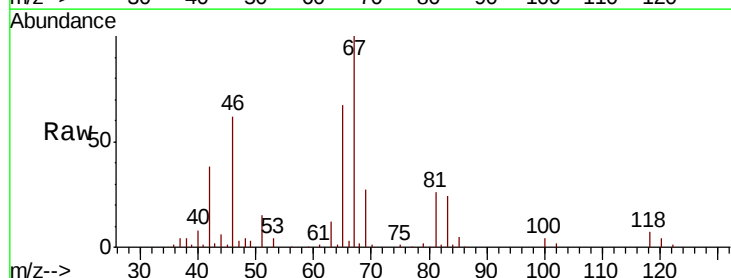


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

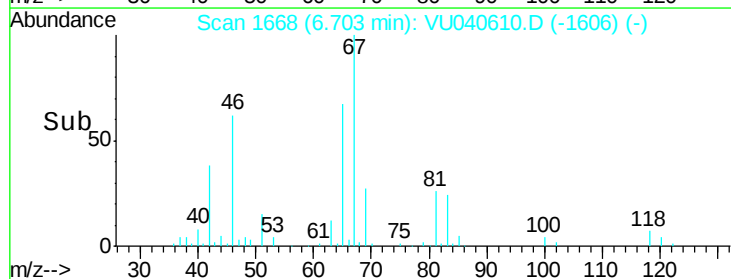
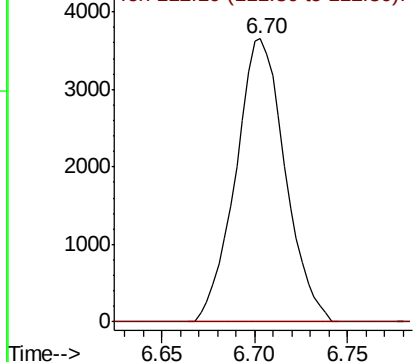


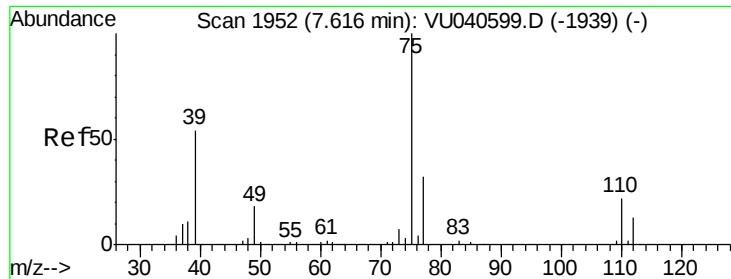
#37
1,2-Dichloropropane
Concen: 0.563 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040610.D
Acq: 10 Oct 2020 02:06

Tgt Ion: 63 Resp: 6761
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

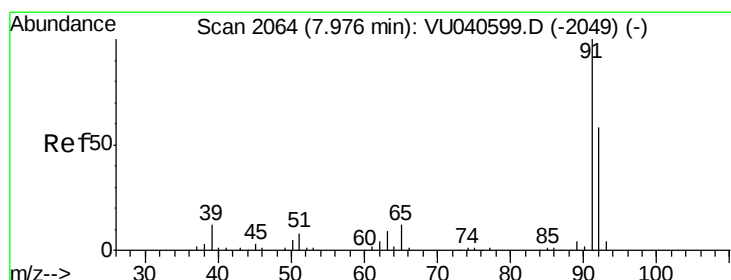
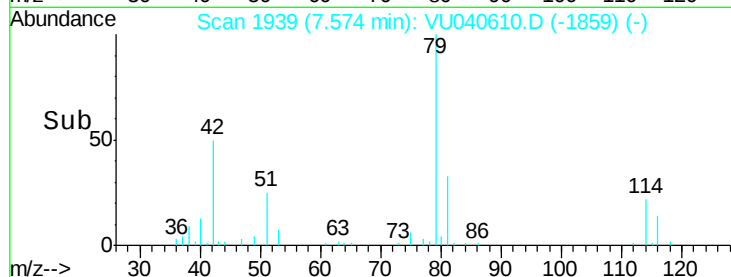
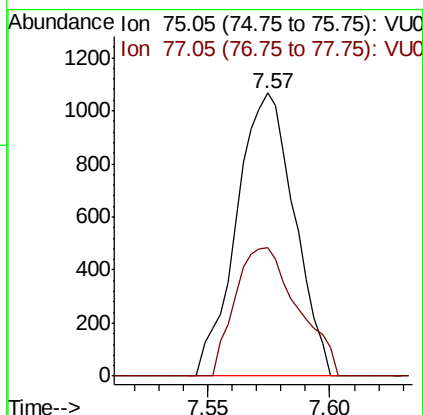
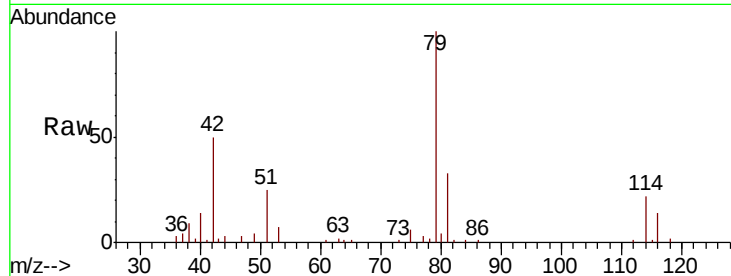




#39
 cis-1,3-Dichloropropene
 Concen: 0.107 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040610.D
 Acq: 10 Oct 2020 02:06

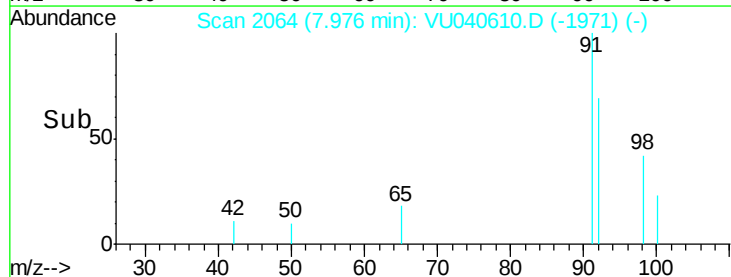
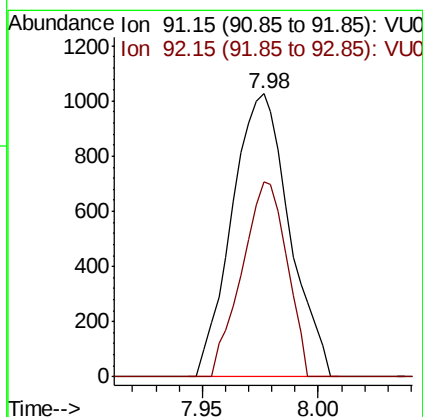
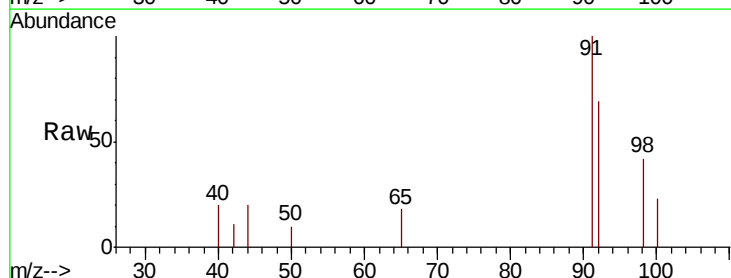
Instrument :
 MSVOA_U
 ClientSampled :
 ETYZ6

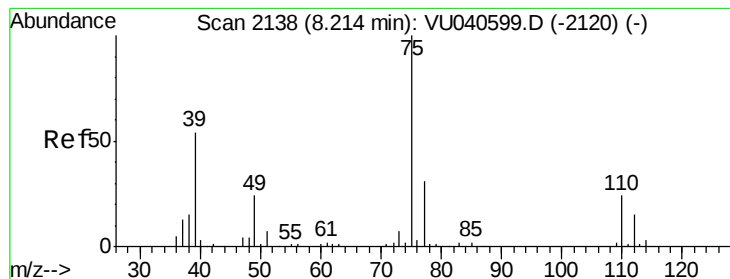
Tot Ion: 75 Resp: 1748
 Ion Ratio Lower Upper
 75 100
 77 45.5 20.5 38.1#



#42
 Toluene
 Concen: 0.040 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VU040610.D
 Acq: 10 Oct 2020 02:06

Tgt Ion: 91 Resp: 1767
 Ion Ratio Lower Upper
 91 100
 92 69.1 40.2 74.6





#44

trans-1,3-Dichloropropene

Concen: 0.072 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040610.D

Acq: 10 Oct 2020 02:06

Instrument :

MSVOA_U

ClientSampleId :

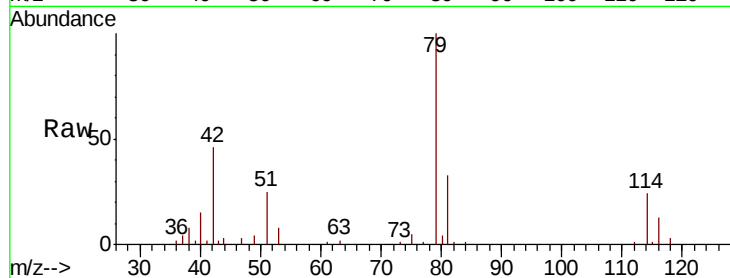
ETYZ6

Tot Ion: 75 Resp: 1080

Ion Ratio Lower Upper

75 100

77 27.3 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU040610.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040610.D (-2120) (-)

8.18

600

400

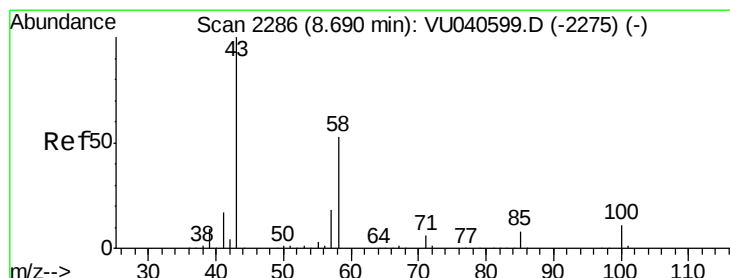
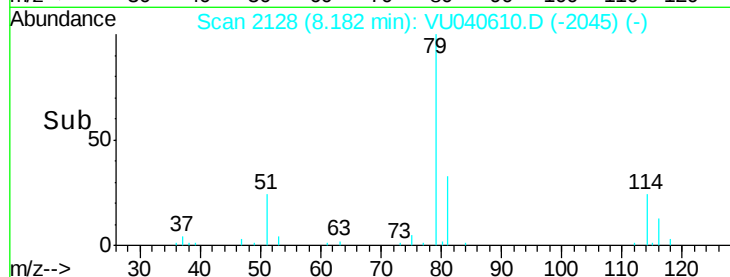
200

0

8.15

8.20

Time-->



#48

2-Hexanone

Concen: 2.722 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040610.D

Acq: 10 Oct 2020 02:06

Tgt Ion: 43 Resp: 19398

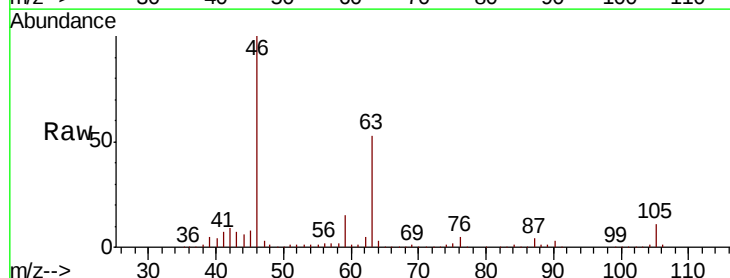
Ion Ratio Lower Upper

43 100

58 31.5 41.0 61.6#

57 29.0 14.4 21.6#

100 1.1 8.6 13.0#



Abundance Ion 43.05 (42.75 to 43.75): VU040610.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU040610.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU040610.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU040610.D (-2193) (-)

8.64

15000

10000

5000

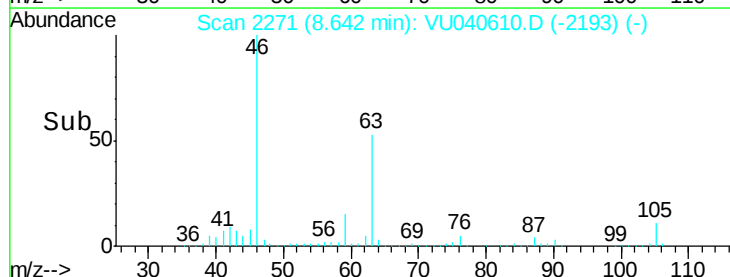
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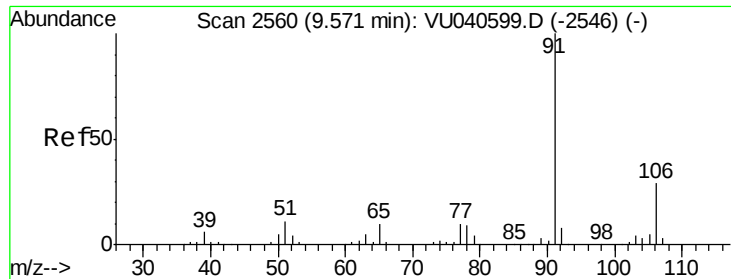
8.60

8.65

8.70

Time-->





#52

Ethylbenzene

Concen: 0.134 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040610.D

Acq: 10 Oct 2020 02:06

Instrument :

MSVOA_U

ClientSampleId :

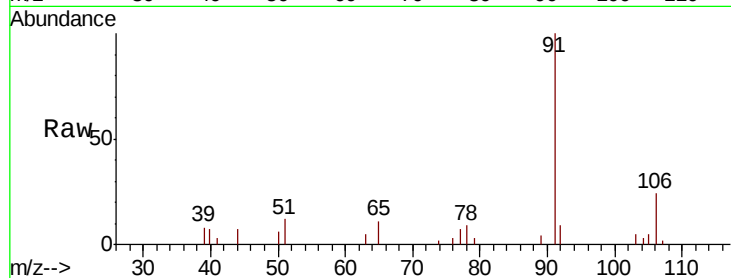
ETYZ6

Tot Ion: 91 Resp: 6378

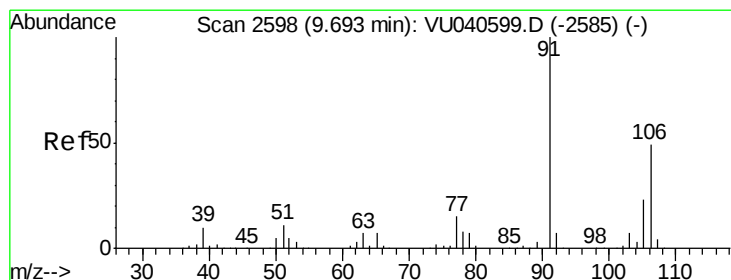
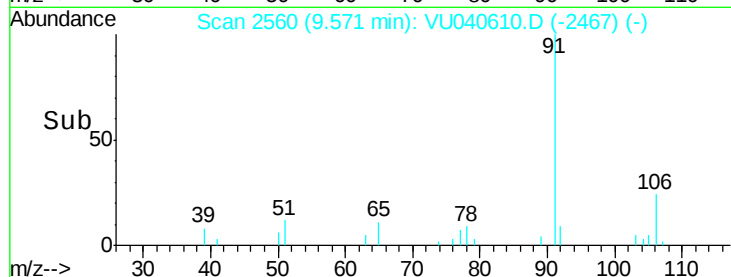
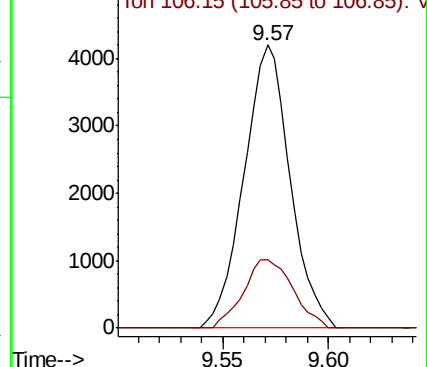
Ion Ratio Lower Upper

91 100

106 23.9 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VU040599.D (-2546) (-)



#53

m,p-Xylene

Concen: 0.540 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040610.D

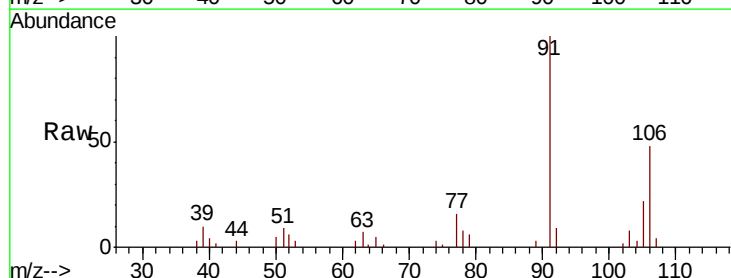
Acq: 10 Oct 2020 02:06

Tgt Ion: 106 Resp: 9357

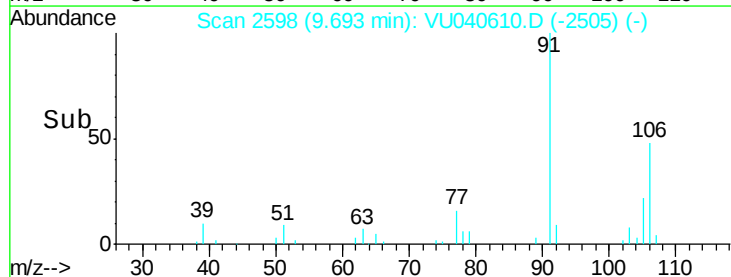
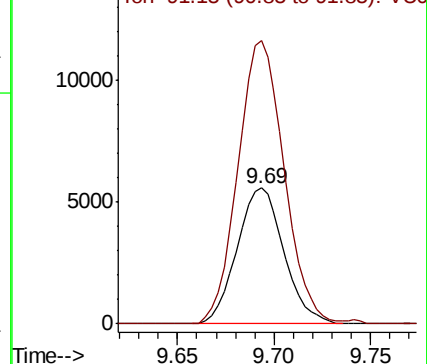
Ion Ratio Lower Upper

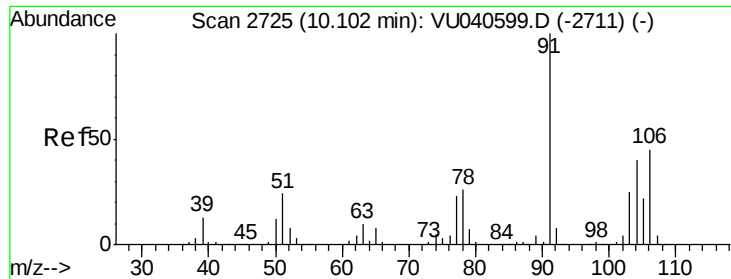
106 100

91 208.7 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040599.D (-2585) (-)

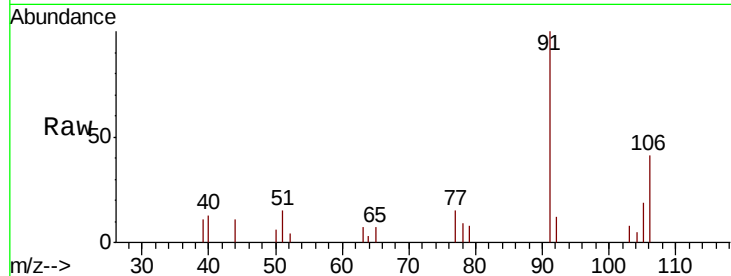




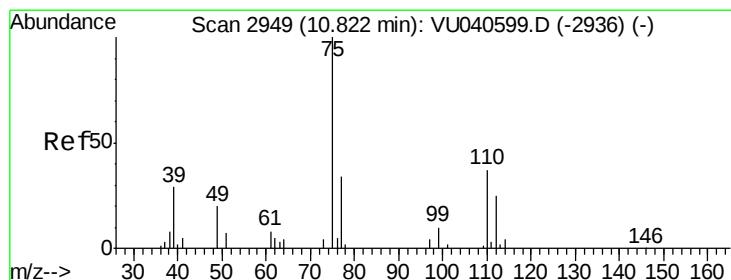
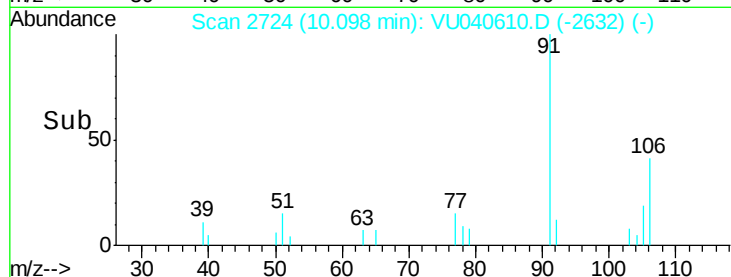
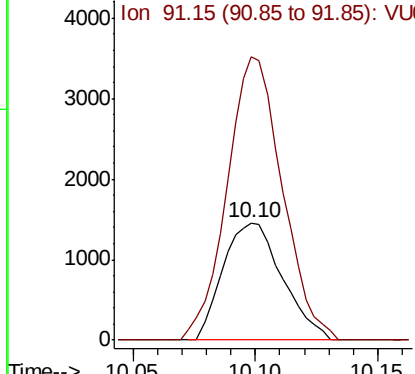
#54
o-Xylene
Concen: 0.148 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040610.D
Acq: 10 Oct 2020 02:06

Instrument :
MSVOA_U
ClientSampleId :
ETYZ6

Tot Ion:106 Resp: 2461
Ion Ratio Lower Upper
106 100
91 241.0 160.2 297.4

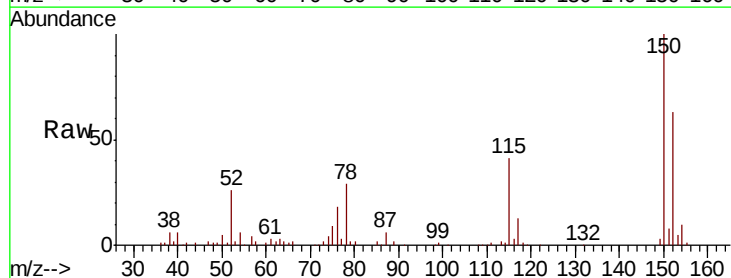


Abundance Ion 106.15 (105.85 to 106.85): VU040610.D (-2632) (-)
Ion 91.15 (90.85 to 91.85): VU040610.D (-2632) (-)

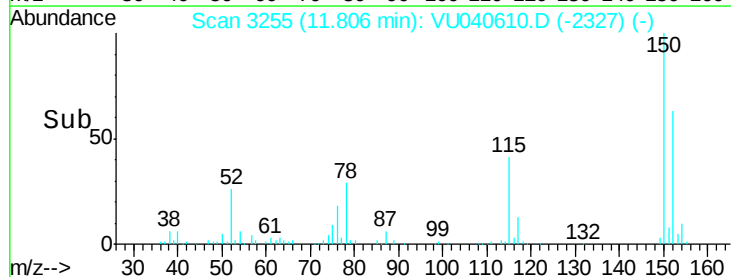
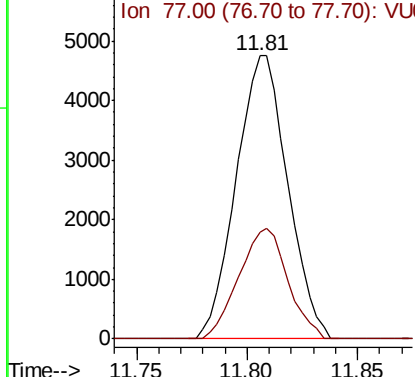


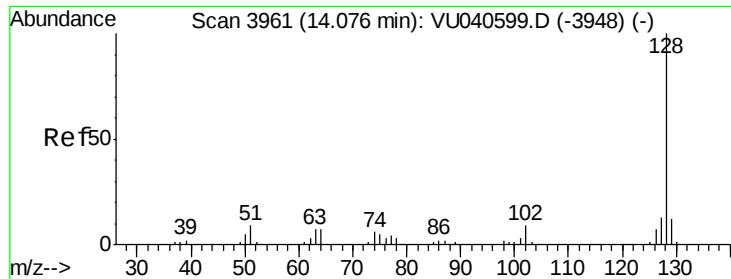
#59
1,2,3-Trichloropropane
Concen: 0.875 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU040610.D
Acq: 10 Oct 2020 02:06

Tgt Ion: 75 Resp: 7715
Ion Ratio Lower Upper
75 100
77 37.0 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU040610.D (-2327) (-)
Ion 77.00 (76.70 to 77.70): VU040610.D (-2327) (-)





#69

Naphthalene

Concen: 0.049 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. -0.00 min

Lab File: VU040610.D

Acq: 10 Oct 2020 02:06

Instrument :

MSVOA_U

ClientSampleId :

ETYZ6

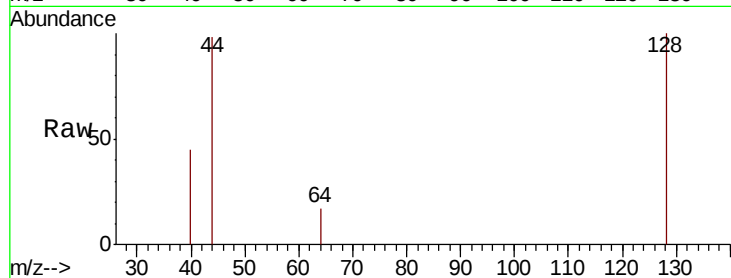
Tot Ion:128 Resp: 808

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): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

