

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060420\
 Data File : VU038525.D
 Acq On : 03 Jun 2020 19:44
 Operator : SY/MD
 Sample : L2844-15
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AF2

Quant Time: Jun 04 01:51:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 04 01:48:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	292849	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	291712	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	150156	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	56913	3.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.00%
7) Chloroethane-d5	1.93	69	58568	4.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.40%
11) 1,1-Dichloroethene-d2	2.59	63	95867	2.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.40%#
20) 2-Butanone-d5	4.67	46	340459	59.13	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.26%
24) Chloroform-d	5.10	84	170469	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.74	65	105153	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	5.76	84	333401	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.72	67	113204	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.92	98	301532	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	8.20	79	44428	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.65	63	289897	60.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.90%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	101906	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	132944	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

					Ovalue
3) Chloromethane	1.48	50	17950	0.847 ug/L #	42
13) Acetone	2.67	43	7842	2.081 ug/L	93
14) Carbon disulfide	2.83	76	4333	0.071 ug/L	98
15) Methyl Acetate	3.07	43	36618	3.967 ug/L #	51
30) Cyclohexane	5.42	56	64721	2.000 ug/L	97
35) Methylcyclohexane	6.79	83	307840	9.418 ug/L	88
37) 1,2-Dichloropropane	6.79	63	3628	0.177 ug/L #	1
38) Bromodichloromethane	7.10	83	6975	0.274 ug/L #	77
45) 1,1,2-Trichloroethane	8.39	97	81258	5.262 ug/L #	21
48) 2-Hexanone	8.71	43	12909	1.164 ug/L #	86
52) Ethylbenzene	9.59	91	22366	0.236 ug/L	96
53) m,p-Xylene	9.71	106	77082	2.111 ug/L	96
54) o-Xylene	10.12	106	27672	0.790 ug/L	92
56) Isopropylbenzene	10.50	105	36298	0.394 ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.82	83	9943	0.507 ug/L #	35
59) 1,2,3-Trichloropropane	11.01	75	1852	0.121 ug/L #	1
66) 1,2-Dibromo-3-chloropropan	13.05	75	2634	0.777 ug/L #	5

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 04 01:48:03 2020
Response via : Initial Calibration

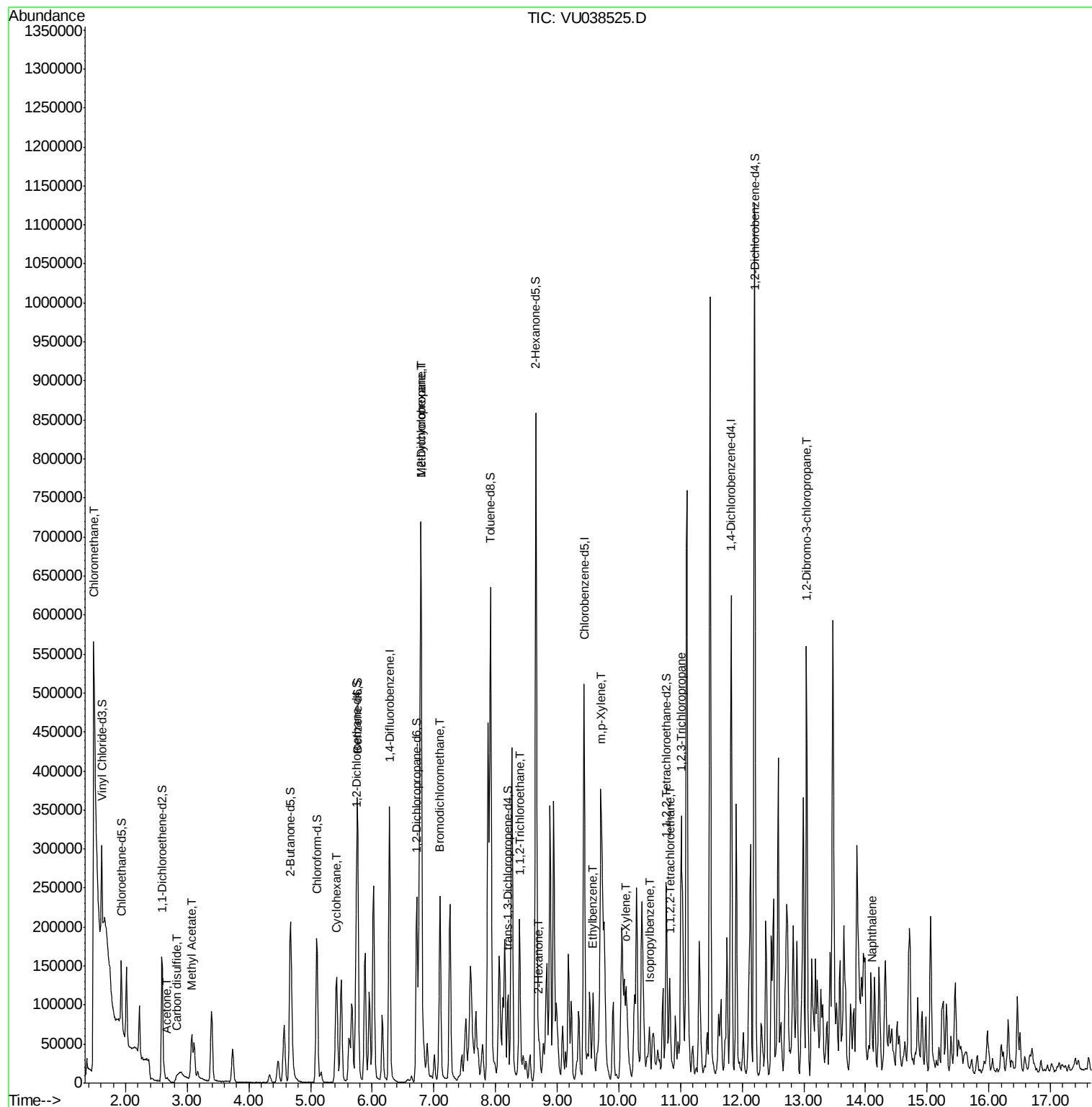
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
69) Naphthalene	14.11	128	27017	0.446	ug/L #	79
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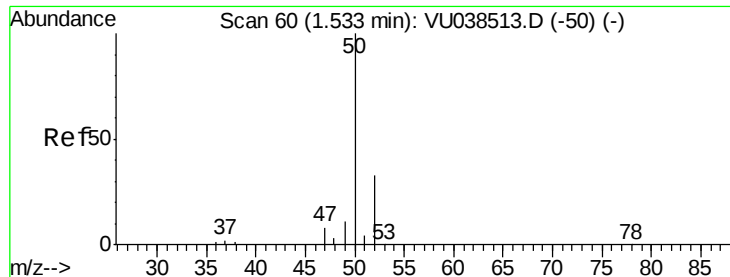
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.847 ug/L

RT: 1.48 min Scan# 45

Delta R.T. -0.05 min

Lab File: VU038525.D

Acq: 03 Jun 2020 19:44

Instrument :

MSVOA_U

ClientSampled :

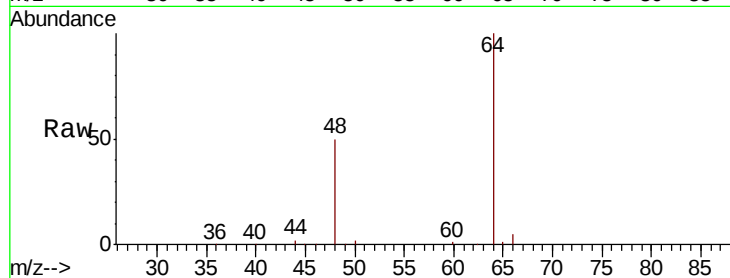
C0AF2

Tot Ion: 50 Resp: 17950

Ion Ratio Lower Upper

50 100

52 0.0 22.9 42.5#



Abundance Ion 50.05 (49.75 to 50.75): VU038513.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038513.D (-50) (-)

1.48

8000

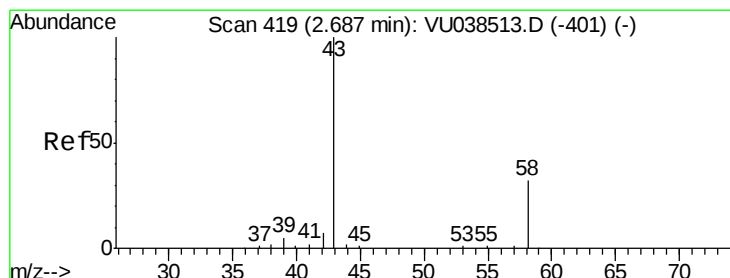
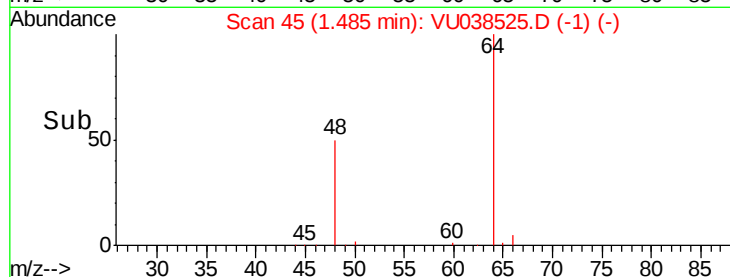
6000

4000

2000

0

Time-->



#13

Acetone

Concen: 2.081 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.01 min

Lab File: VU038525.D

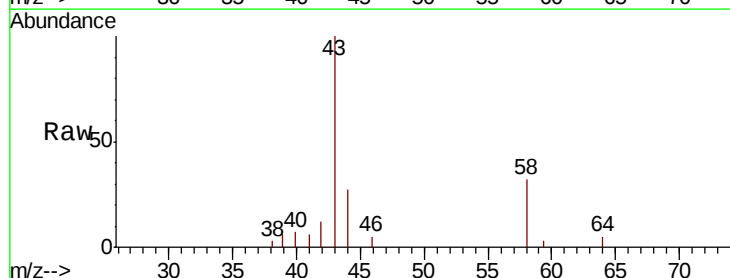
Acq: 03 Jun 2020 19:44

Tgt Ion: 43 Resp: 7842

Ion Ratio Lower Upper

43 100

58 36.9 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038513.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU038513.D (-401) (-)

2.67

4000

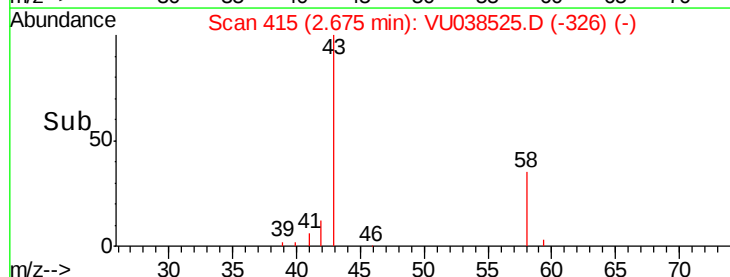
3000

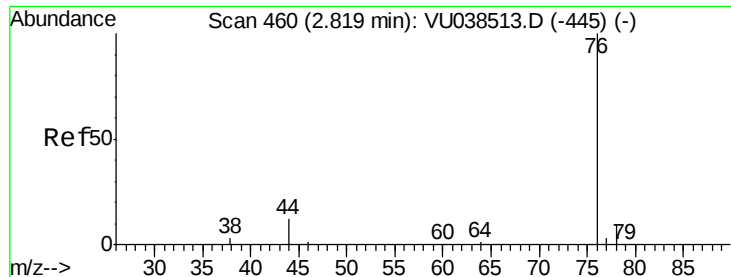
2000

1000

0

Time-->





#14

Carbon disulfide

Concen: 0.071 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.01 min

Lab File: VU038525.D

Acq: 03 Jun 2020 19:44

Instrument :

MSVOA_U

ClientSampleId :

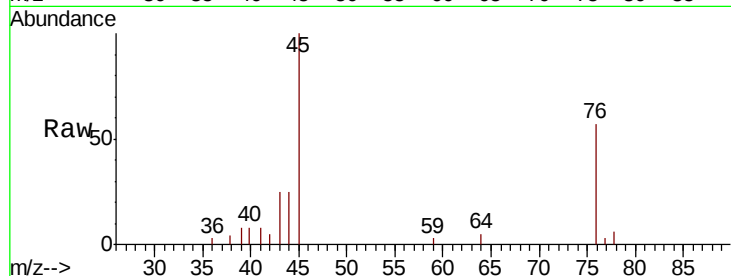
C0AF2

Tot Ion: 76 Resp: 4333

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU038513.D (-445) (-)

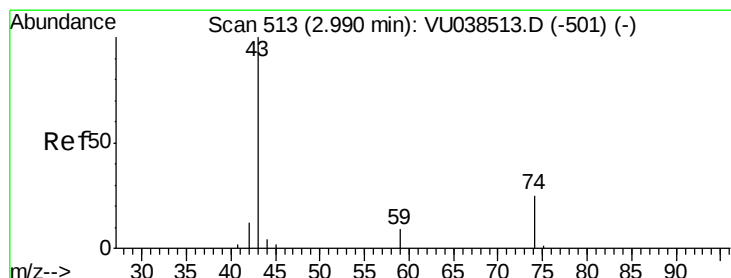
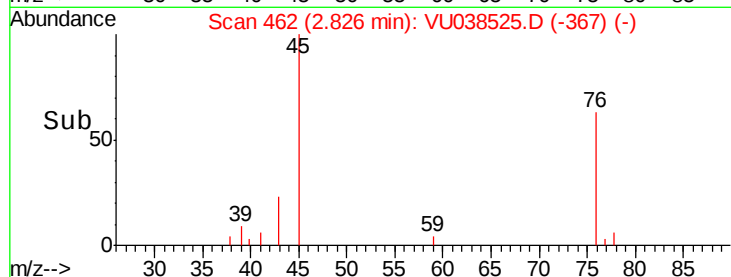
Ion 78.00 (77.70 to 78.70): VU038513.D (-445) (-)

2.83

2.80

2.85

Time-->



#15

Methyl Acetate

Concen: 3.967 ug/L

RT: 3.07 min Scan# 539

Delta R.T. 0.08 min

Lab File: VU038525.D

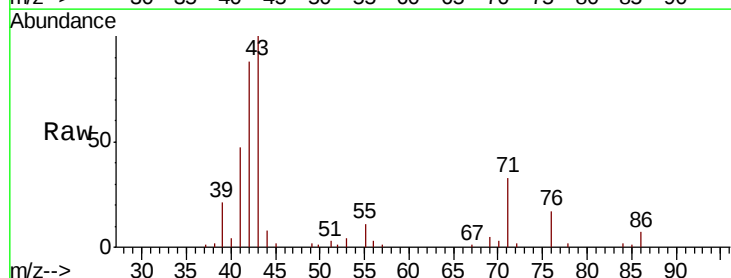
Acq: 03 Jun 2020 19:44

Tgt Ion: 43 Resp: 36618

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#



Abundance Ion 43.05 (42.75 to 43.75): VU038513.D (-501) (-)

Ion 74.05 (73.75 to 74.75): VU038513.D (-501) (-)

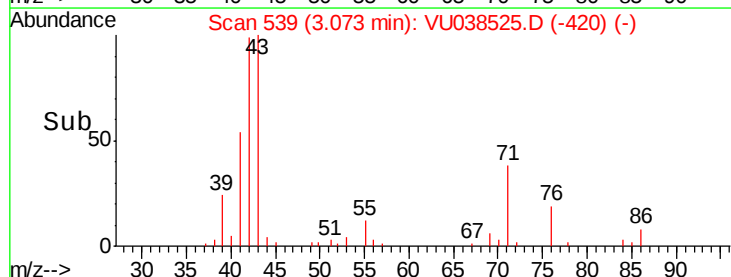
3.07

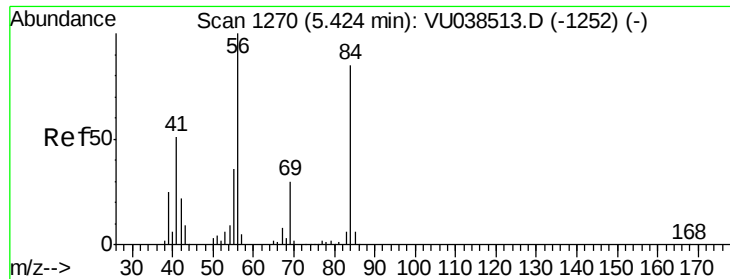
3.00

3.05

3.10

Time-->

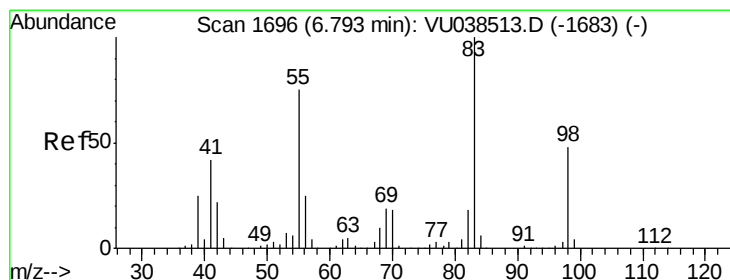
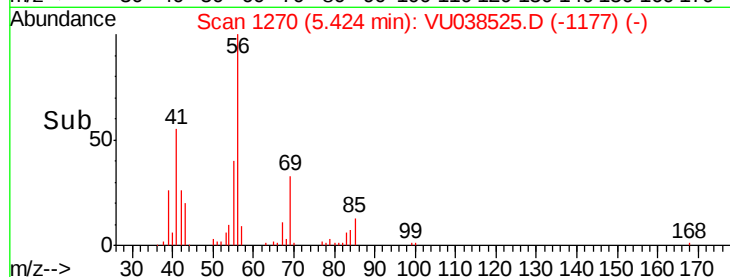
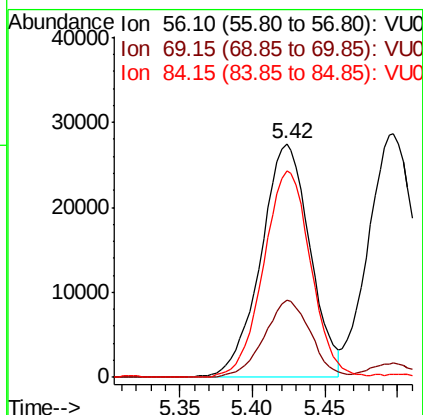
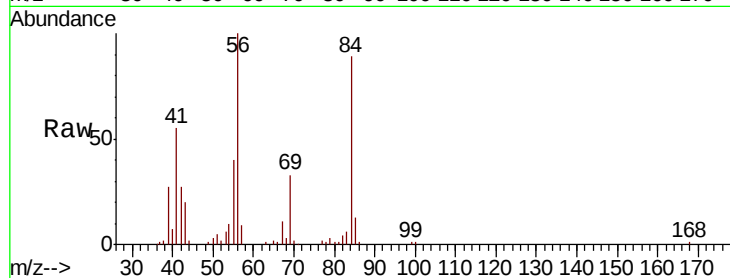




#30
Cyclohexane
Concen: 2.000 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU038525.D
Acq: 03 Jun 2020 19:44

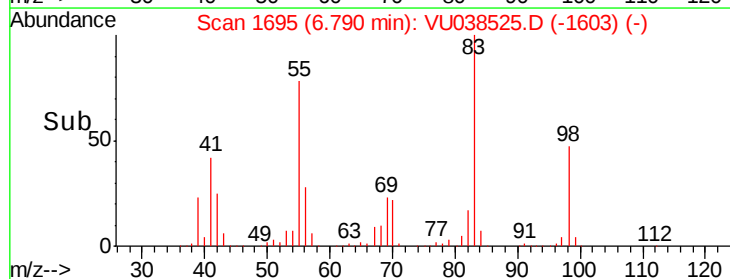
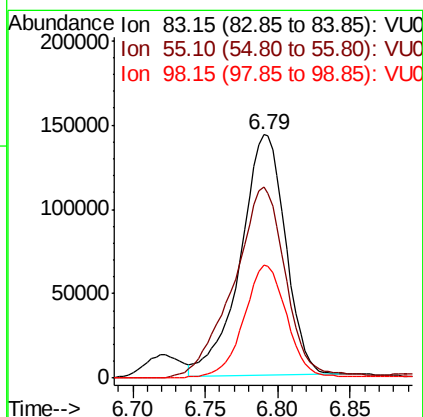
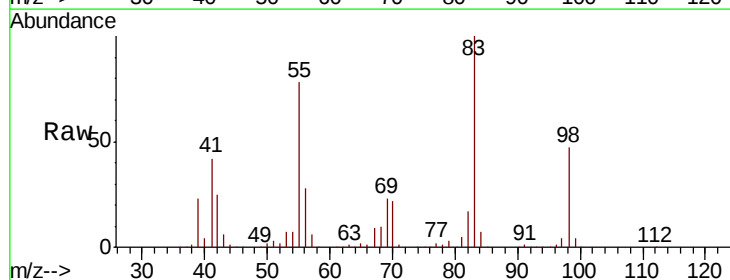
Instrument :
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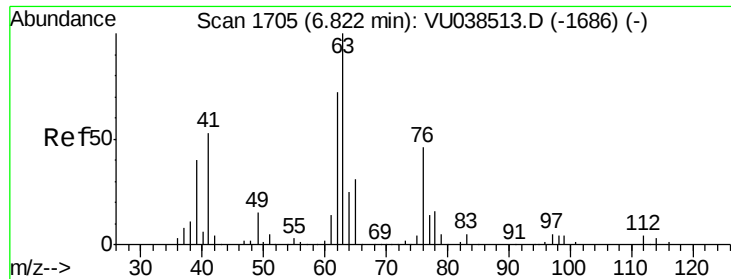
Tot Ion: 56 Resp: 64721
Ion Ratio Lower Upper
56 100
69 31.1 24.2 36.4
84 84.9 70.8 106.2



#35
Methylcyclohexane
Concen: 9.418 ug/L
RT: 6.79 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU038525.D
Acq: 03 Jun 2020 19:44

Tgt Ion: 83 Resp: 307840
Ion Ratio Lower Upper
83 100
55 92.8 63.4 95.2
98 44.8 39.0 58.4

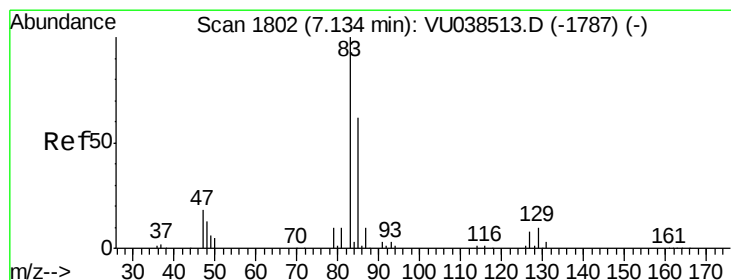
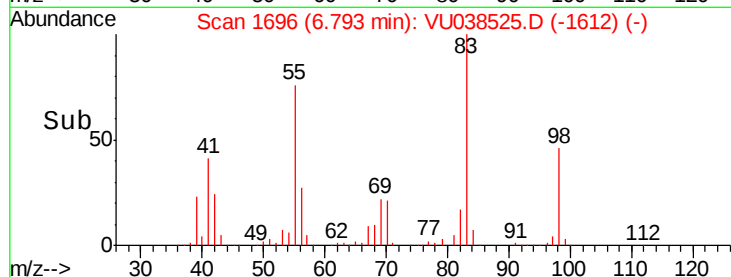
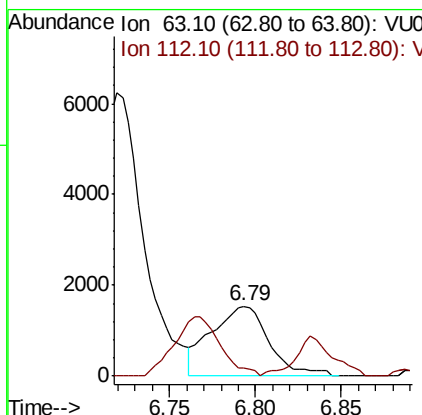
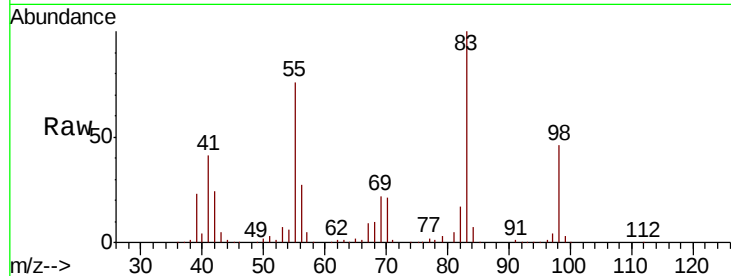




#37
 1,2-Dichloropropane
 Concen: 0.177 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. -0.03 min
 Lab File: VU038525.D
 Acq: 03 Jun 2020 19:44

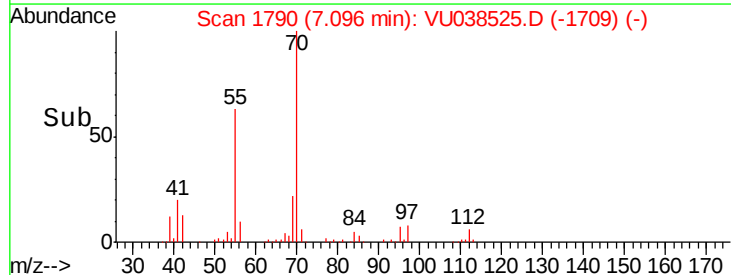
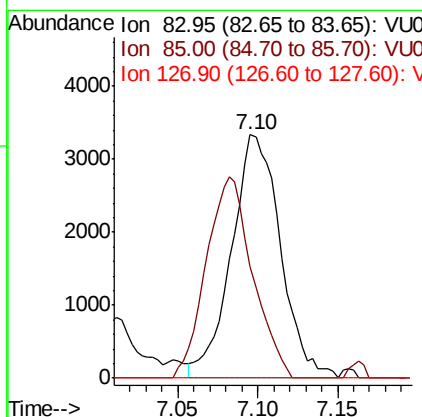
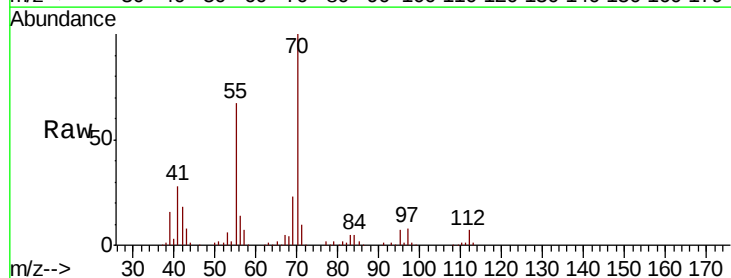
Instrument :
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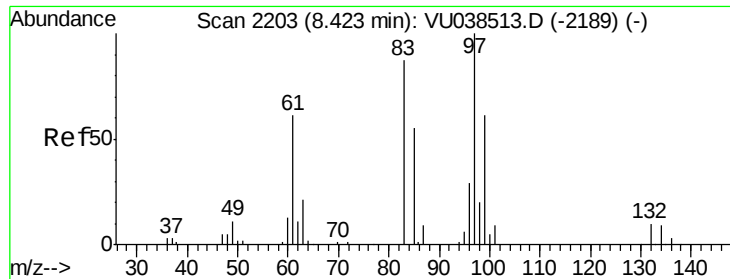
Tot Ion: 63 Resp: 3628
 Ion Ratio Lower Upper
 63 100
 112 66.7 3.7 5.5#



#38
 Bromodichloromethane
 Concen: 0.274 ug/L
 RT: 7.10 min Scan# 1790
 Delta R.T. -0.04 min
 Lab File: VU038525.D
 Acq: 03 Jun 2020 19:44

Tgt Ion: 83 Resp: 6975
 Ion Ratio Lower Upper
 83 100
 85 45.9 44.7 83.1
 127 0.0 6.8 10.2#

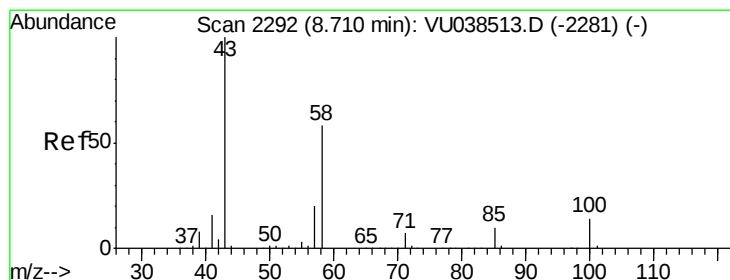
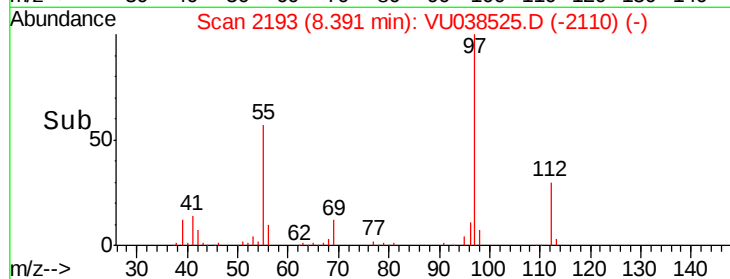
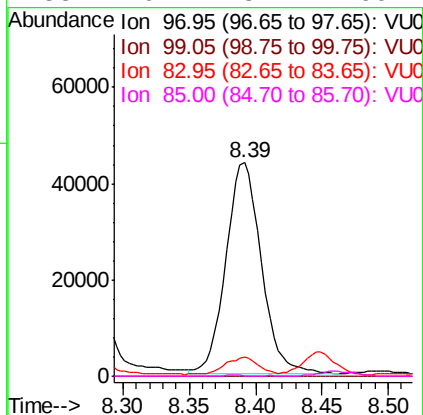
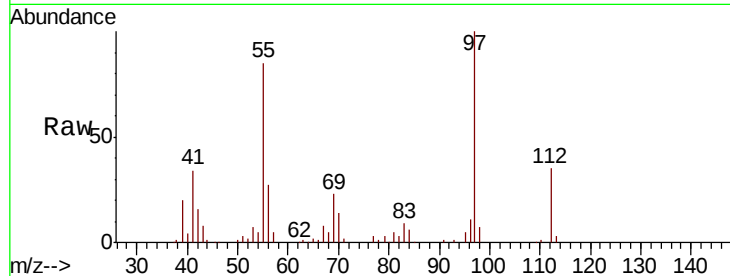




#45
 1,1,2-Trichloroethane
 Concen: 5.262 ug/L
 RT: 8.39 min Scan# 2193
 Delta R.T. -0.03 min
 Lab File: VU038525.D
 Acq: 03 Jun 2020 19:44

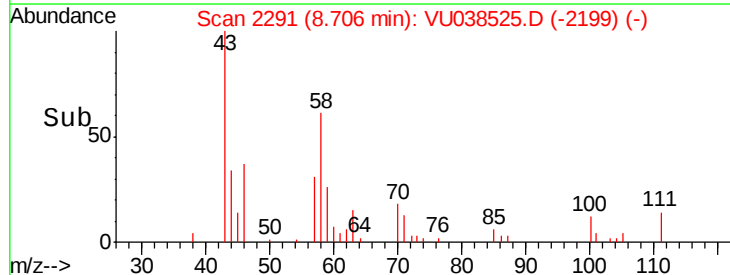
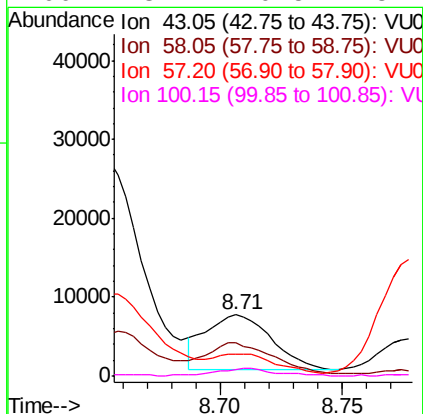
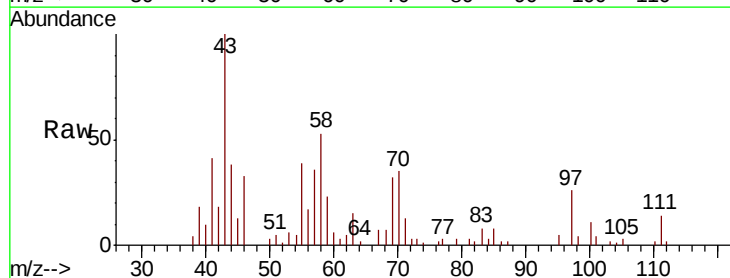
Instrument :
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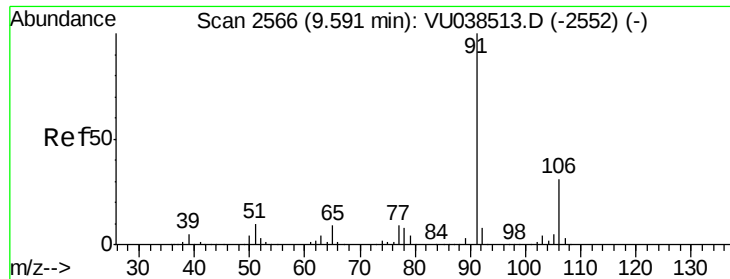
Tot Ion: 97 Resp: 81258
 Ion Ratio Lower Upper
 97 100
 99 0.0 42.1 78.1#
 83 9.1 58.8 109.2#
 85 0.2 37.4 69.4#



#48
 2-Hexanone
 Concen: 1.164 ug/L
 RT: 8.71 min Scan# 2291
 Delta R.T. -0.00 min
 Lab File: VU038525.D
 Acq: 03 Jun 2020 19:44

Tgt Ion: 43 Resp: 12909
 Ion Ratio Lower Upper
 43 100
 58 66.2 45.4 68.0
 57 31.9 15.9 23.9#
 100 13.1 10.5 15.7

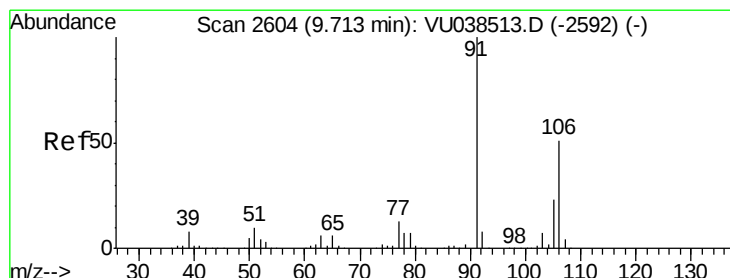
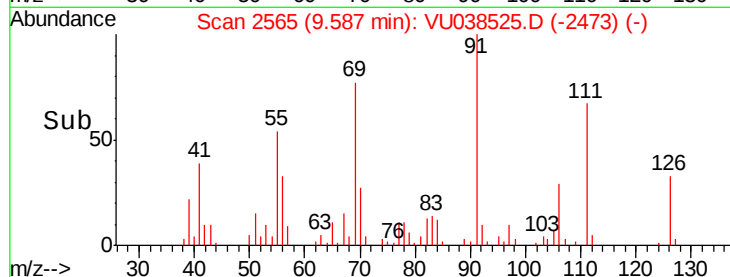
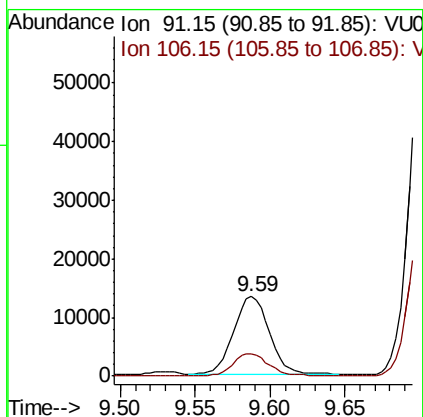
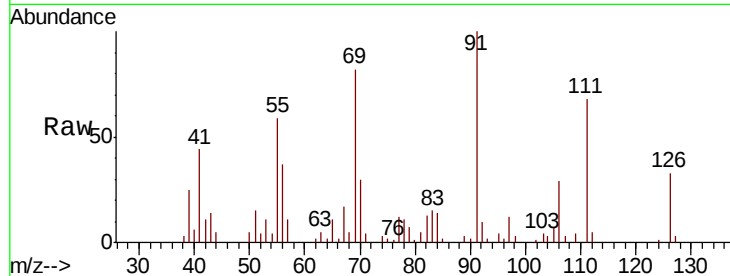




#52
Ethylbenzene
Concen: 0.236 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VU038525.D
Acq: 03 Jun 2020 19:44

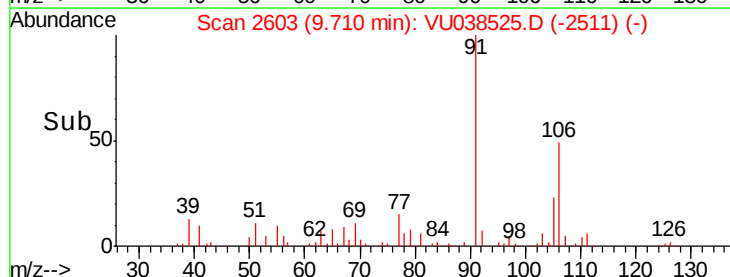
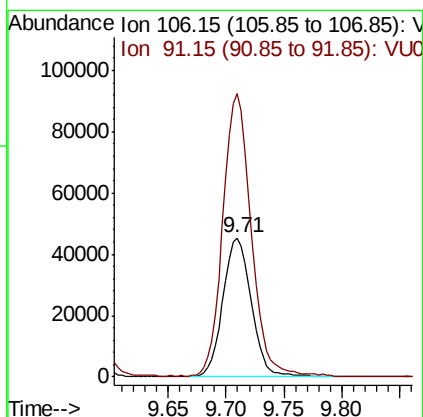
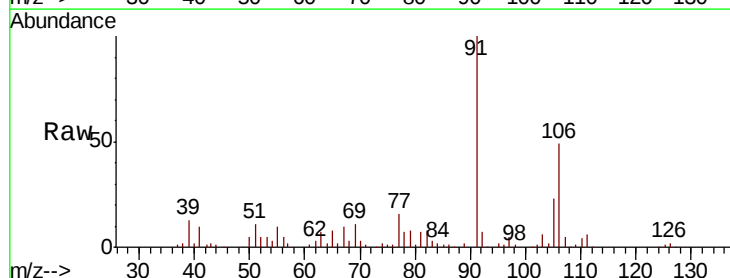
Instrument :
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C0AF2

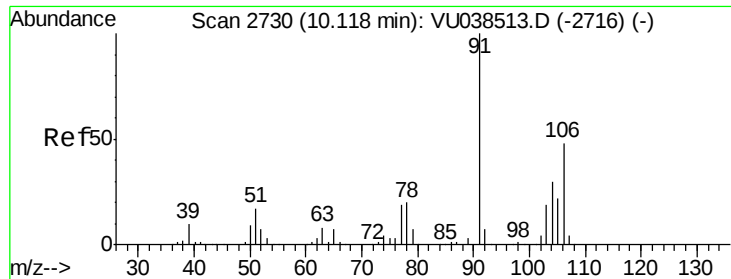
Tot Ion: 91 Resp: 22366
Ion Ratio Lower Upper
91 100
106 28.7 21.7 40.3



#53
m,p-Xylene
Concen: 2.111 ug/L
RT: 9.71 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VU038525.D
Acq: 03 Jun 2020 19:44

Tgt Ion: 106 Resp: 77082
Ion Ratio Lower Upper
106 100
91 203.1 138.1 256.5

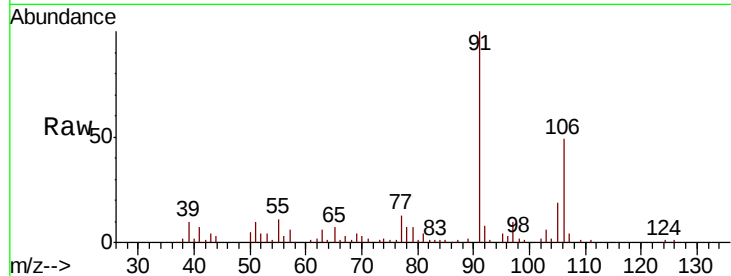




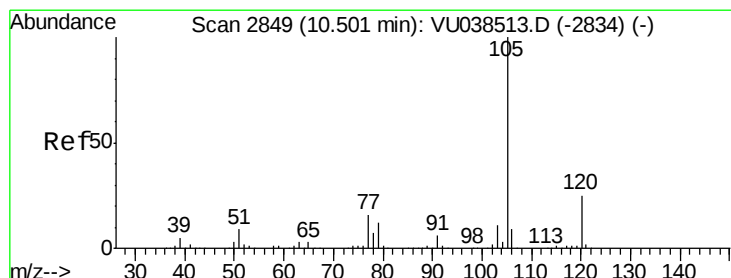
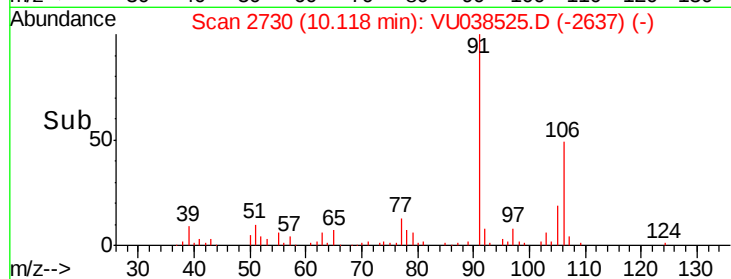
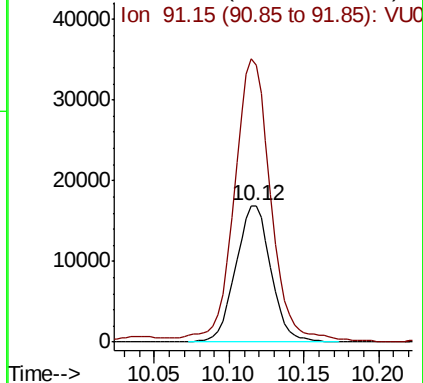
#54
o-Xylene
Concen: 0.790 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU038525.D
Acq: 03 Jun 2020 19:44

Instrument :
MSVOA_U
ClientSampled :
C0AF2

Tot Ion:106 Resp: 27672
Ion Ratio Lower Upper
106 100
91 202.9 150.6 279.8

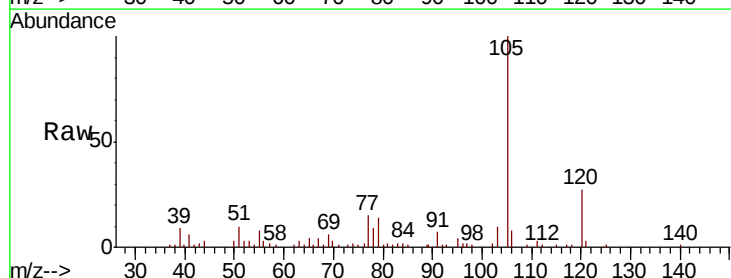


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

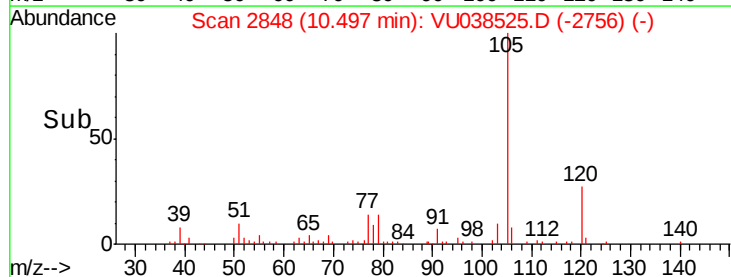
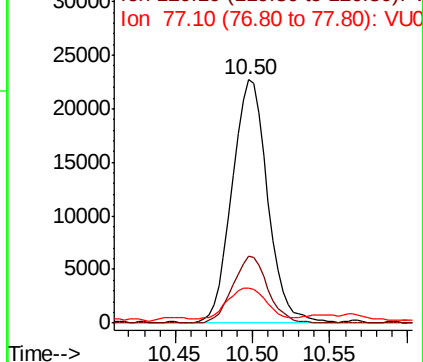


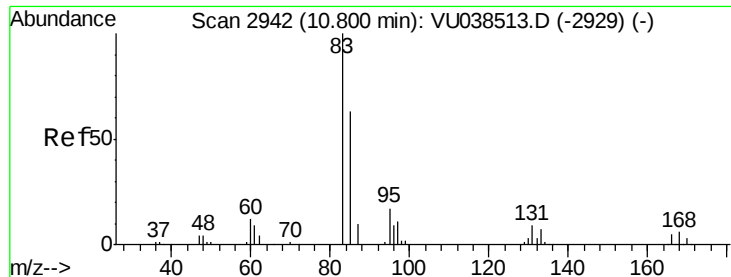
#56
Isopropylbenzene
Concen: 0.394 ug/L
RT: 10.50 min Scan# 2848
Delta R.T. -0.00 min
Lab File: VU038525.D
Acq: 03 Jun 2020 19:44

Tgt Ion:105 Resp: 36298
Ion Ratio Lower Upper
105 100
120 26.9 20.7 31.1
77 14.5 12.5 18.7



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

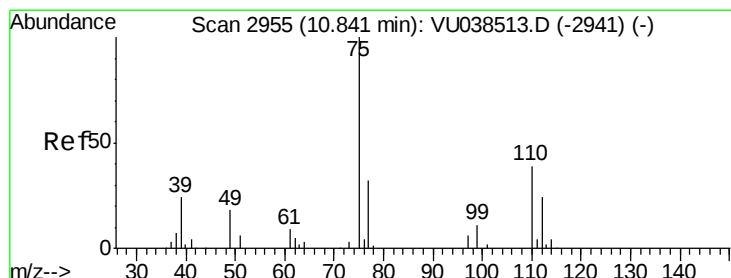
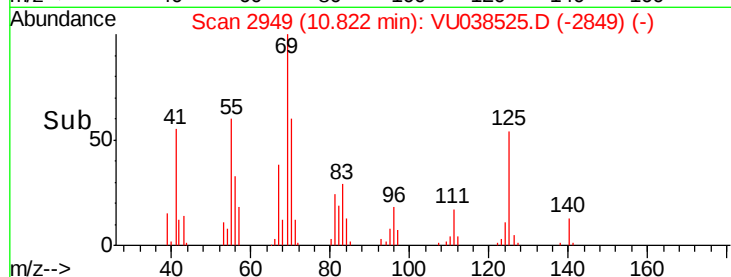
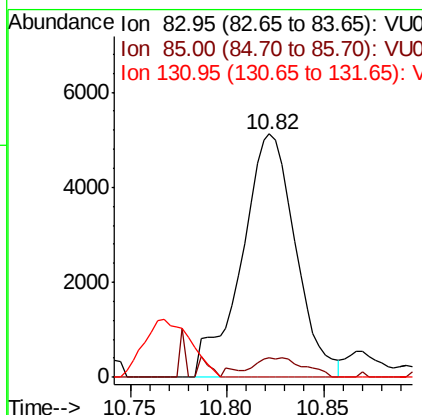
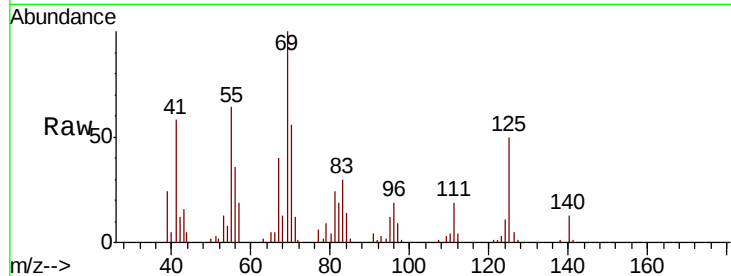




#58
 1,1,2,2-Tetrachloroethane
 Concen: 0.507 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.02 min
 Lab File: VU038525.D
 Acq: 03 Jun 2020 19:44

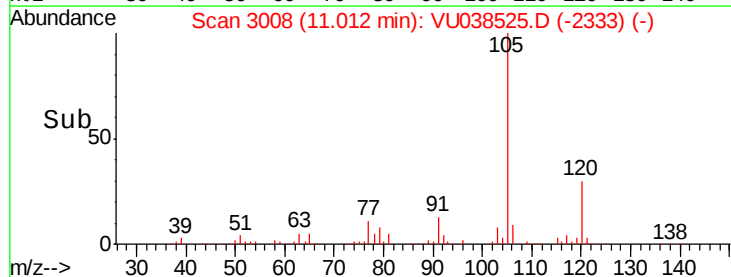
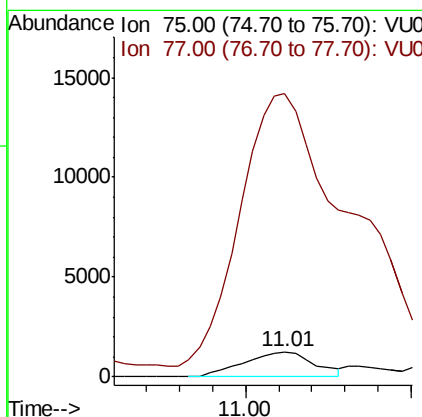
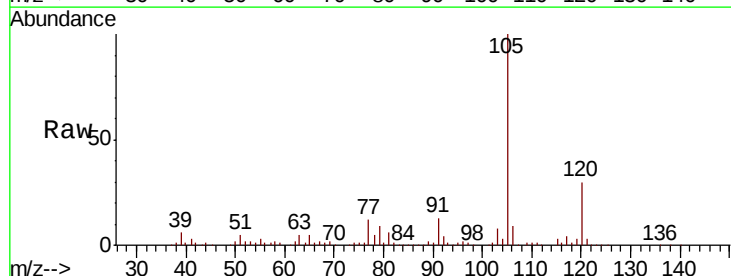
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AF2

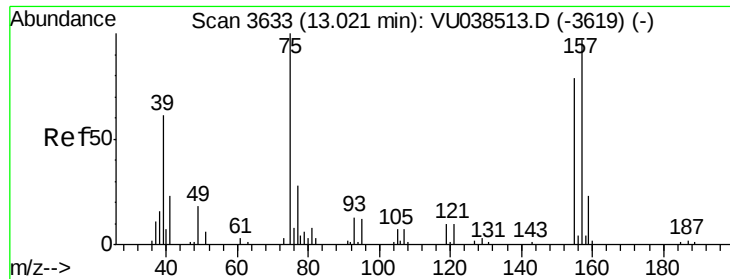
Tot Ion: 83 Resp: 9943
 Ion Ratio Lower Upper
 83 100
 85 8.1 44.2 82.0#
 131 0.0 8.1 12.1#



#59
 1,2,3-Trichloropropane
 Concen: 0.121 ug/L
 RT: 11.01 min Scan# 3008
 Delta R.T. 0.17 min
 Lab File: VU038525.D
 Acq: 03 Jun 2020 19:44

Tgt Ion: 75 Resp: 1852
 Ion Ratio Lower Upper
 75 100
 77 1736.0 25.4 38.2#

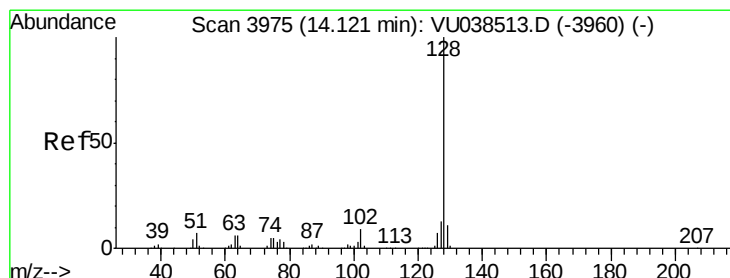
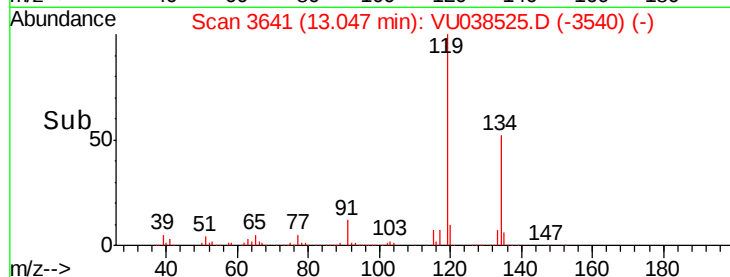
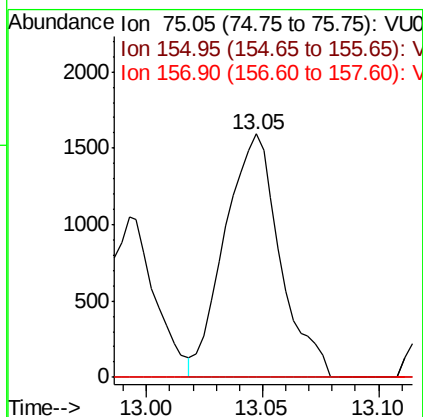
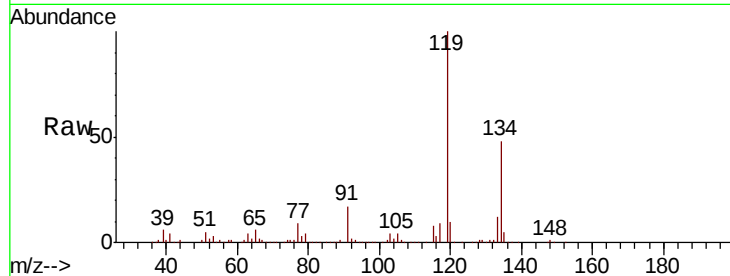




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.777 ug/L
 RT: 13.05 min Scan# 3641
 Delta R.T. 0.03 min
 Lab File: VU038525.D
 Acq: 03 Jun 2020 19:44

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AF2

Tot Ion: 75 Resp: 2634
 Ion Ratio Lower Upper
 75 100
 155 0.0 59.6 89.4#
 157 0.0 79.8 119.6#



#69
 Naphthalene
 Concen: 0.446 ug/L
 RT: 14.11 min Scan# 3972
 Delta R.T. -0.01 min
 Lab File: VU038525.D
 Acq: 03 Jun 2020 19:44

Tgt Ion: 128 Resp: 27017
 Ion Ratio Lower Upper
 128 100
 129 27.1 8.9 13.3#
 127 14.2 10.2 15.4

