

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
 Data File : VU038625.D
 Acq On : 06 Jun 2020 18:25
 Operator : SY/MD
 Sample : L2910-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9D53

Quant Time: Jun 07 04:04:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sun Jun 07 04:01:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	324729	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	320818	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	164574	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	63764	3.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.60%
7) Chloroethane-d5	1.93	69	59690	3.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.00%
11) 1,1-Dichloroethene-d2	2.59	63	110110	2.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	53.20%#
20) 2-Butanone-d5	4.67	46	346202	54.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.46%
24) Chloroform-d	5.10	84	174012	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
26) 1,2-Dichloroethane-d4	5.74	65	103321	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.76	84	342312	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
36) 1,2-Dichloropropane-d6	6.72	67	109668	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.00%
41) Toluene-d8	7.92	98	284503	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.20%
43) trans-1,3-Dichloropropene-	8.20	79	44382	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.65	63	287194	54.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.82%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	104892	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	129998	4.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	3756	0.160	ug/L #	55
8) Chloroethane	2.13	64	2953	0.196	ug/L #	56
13) Acetone	2.68	43	25633	6.135	ug/L	82
14) Carbon disulfide	2.83	76	16335	0.241	ug/L	95
15) Methyl Acetate	2.99	43	2404	0.235	ug/L #	51
16) Methylene chloride	3.08	84	3856	0.170	ug/L	97
21) 2-Butanone	4.75	43	9014	1.283	ug/L	99
27) 1,2-Dichloroethane	5.81	62	10505	0.381	ug/L #	74
30) Cyclohexane	5.42	56	107348	3.016	ug/L	97
33) Benzene	5.81	78	1003545	11.217	ug/L	100
39) cis-1,3-Dichloropropene	7.59	75	3012	0.091	ug/L #	46
42) Toluene	7.99	91	16995	0.181	ug/L	98
48) 2-Hexanone	8.71	43	13658	1.120	ug/L	89
51) Chlorobenzene	9.68	112	7854	0.130	ug/L #	48
52) Ethylbenzene	9.59	91	992220	9.504	ug/L	99
53) m,p-Xylene	9.71	106	46075	1.148	ug/L	93
54) o-Xylene	10.11	106	24850	0.645	ug/L	95

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sun Jun 07 04:01:21 2020
Response via : Initial Calibration

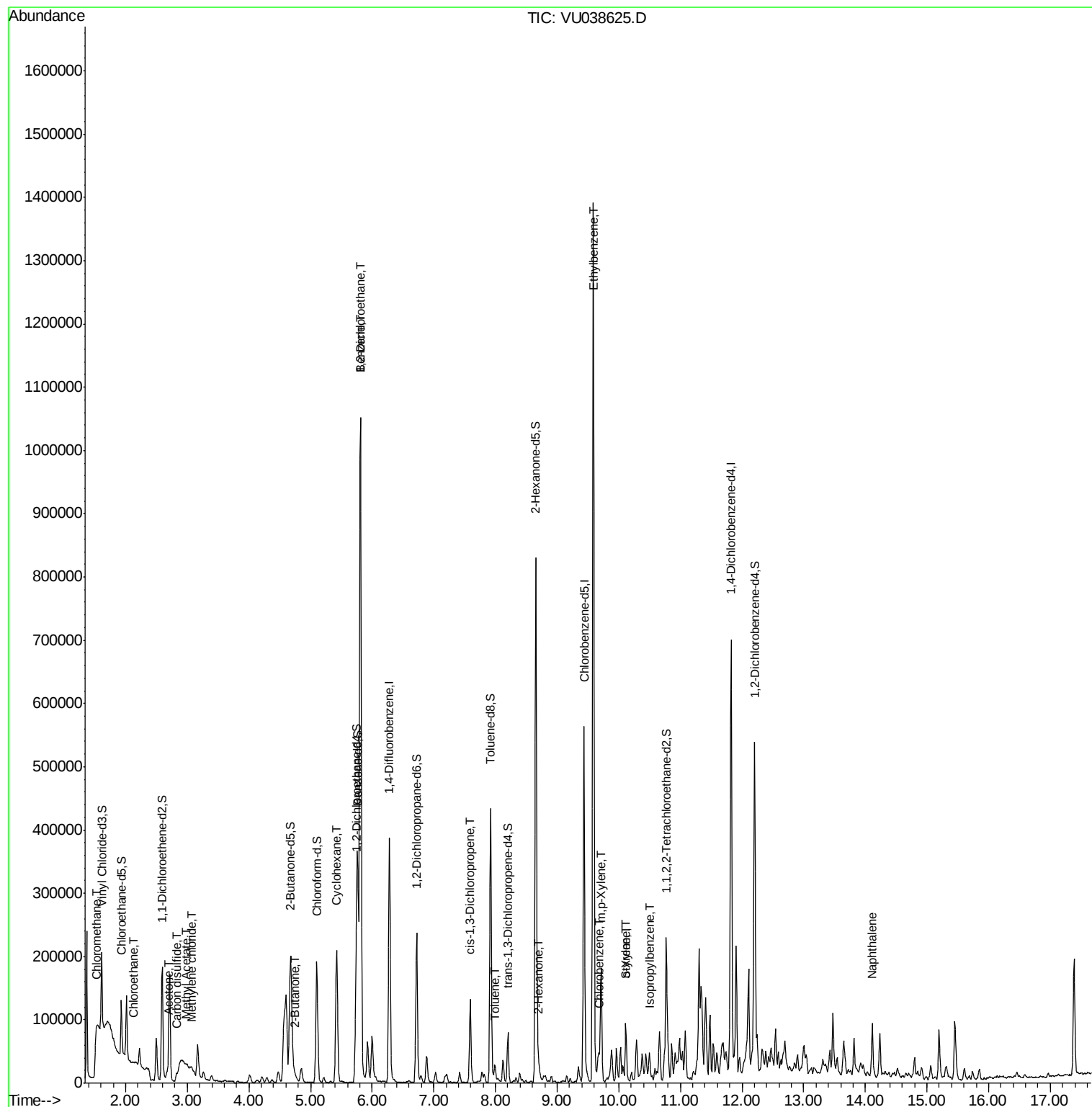
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) Styrene	10.13	104	4726	0.072	ug/L #	58
56) Isopropylbenzene	10.50	105	26436	0.261	ug/L	95
69) Naphthalene	14.11	128	63757	0.959	ug/L	97

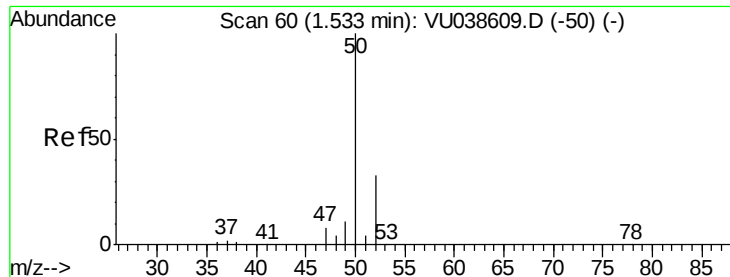
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.160 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.01 min

Lab File: VU038625.D

Acq: 06 Jun 2020 18:25

Instrument :

MSVOA_U

ClientSampleId :

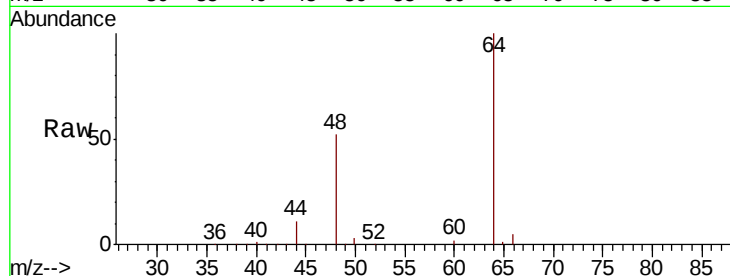
F9D53

Tot Ion: 50 Resp: 3756

Ion Ratio Lower Upper

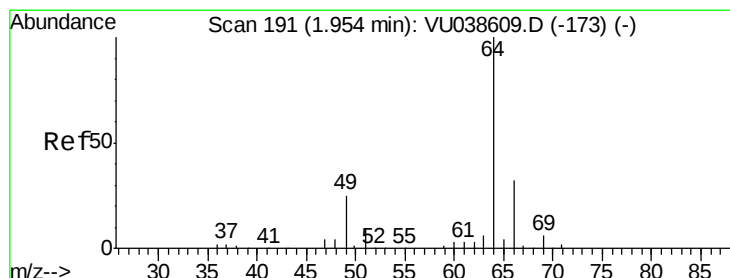
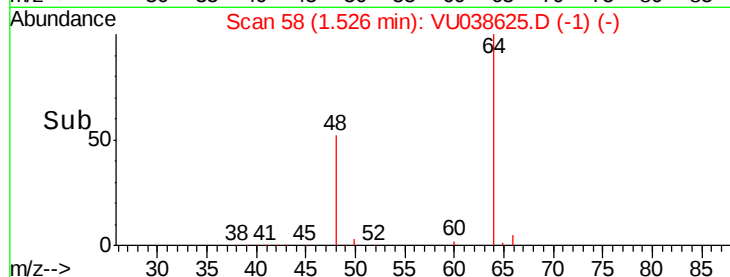
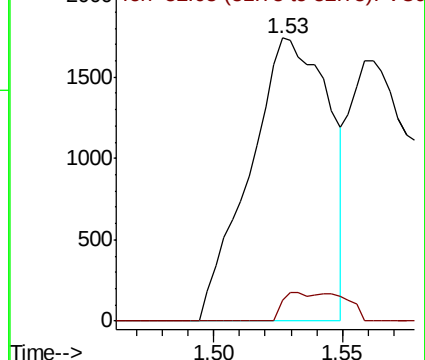
50 100

52 7.5 22.9 42.5#



Abundance Ion 50.05 (49.75 to 50.75): VU038609.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038609.D (-50) (-)



#8

Chloroethane

Concen: 0.196 ug/L

RT: 2.13 min Scan# 247

Delta R.T. 0.18 min

Lab File: VU038625.D

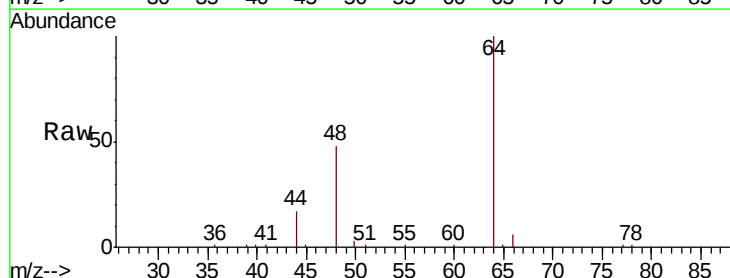
Acq: 06 Jun 2020 18:25

Tgt Ion: 64 Resp: 2953

Ion Ratio Lower Upper

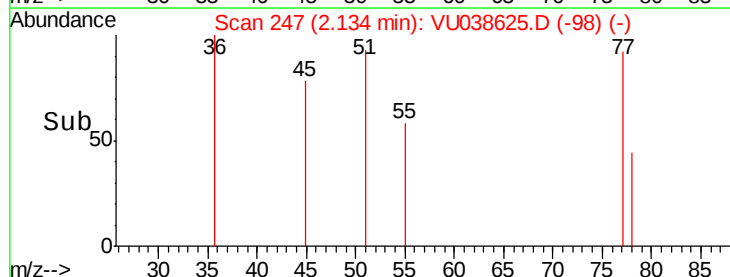
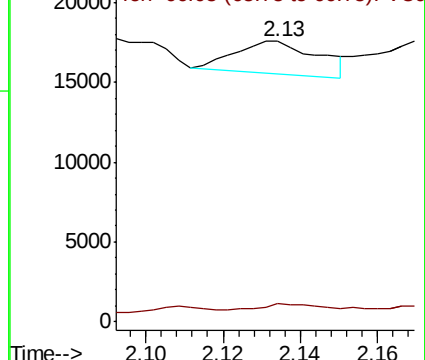
64 100

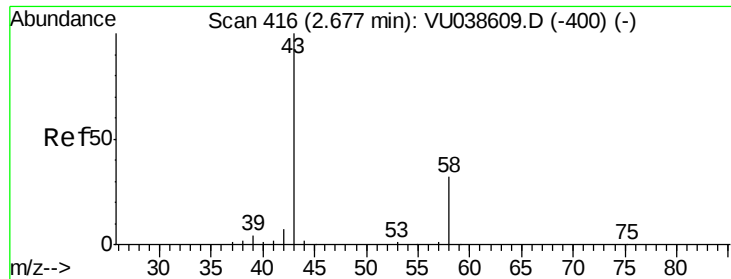
66 6.4 21.5 39.9#



Abundance Ion 64.10 (63.80 to 64.80): VU038609.D (-173) (-)

Ion 66.05 (65.75 to 66.75): VU038609.D (-173) (-)





#13

Acetone

Concen: 6.135 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.00 min

Lab File: VU038625.D

Acq: 06 Jun 2020 18:25

Instrument :

MSVOA_U

ClientSampleId :

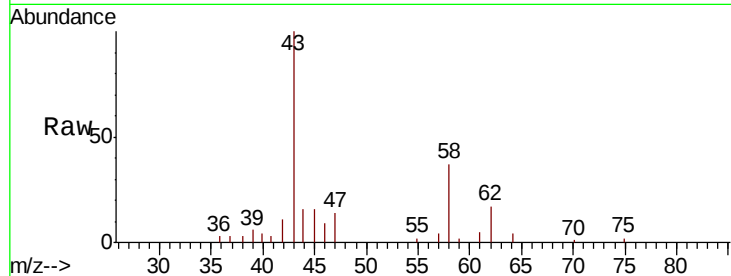
F9D53

Tot Ion: 43 Resp: 25633

Ion Ratio Lower Upper

43 100

58 22.9 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038609.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU038609.D (-400) (-)

2.68

8000

6000

4000

2000

0

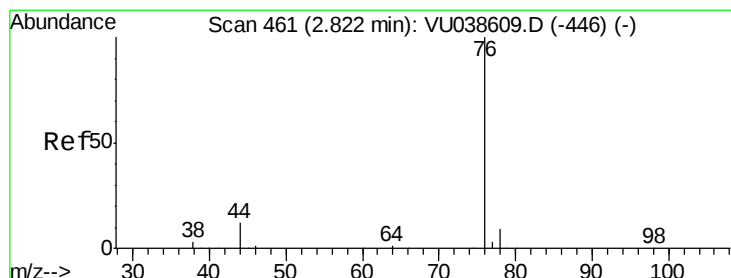
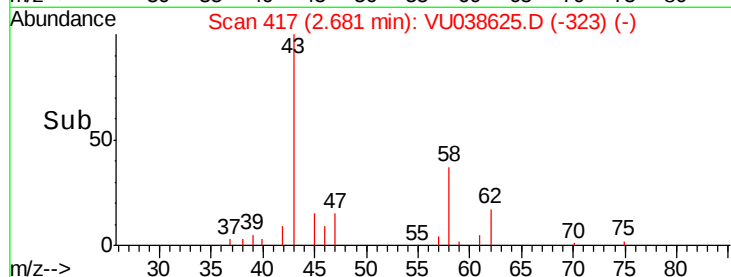
Time-->

2.50

2.60

2.70

2.80



#14

Carbon disulfide

Concen: 0.241 ug/L

RT: 2.83 min Scan# 463

Delta R.T. 0.01 min

Lab File: VU038625.D

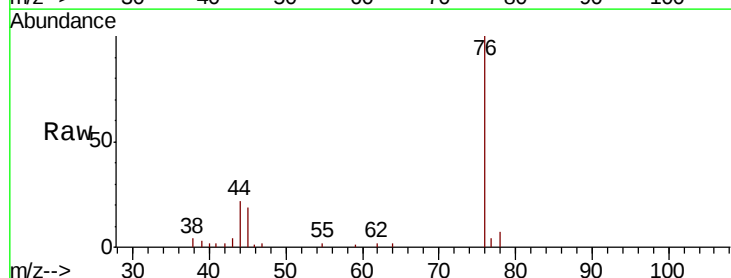
Acq: 06 Jun 2020 18:25

Tgt Ion: 76 Resp: 16335

Ion Ratio Lower Upper

76 100

78 7.3 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU038609.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU038609.D (-446) (-)

2.83

20000

15000

10000

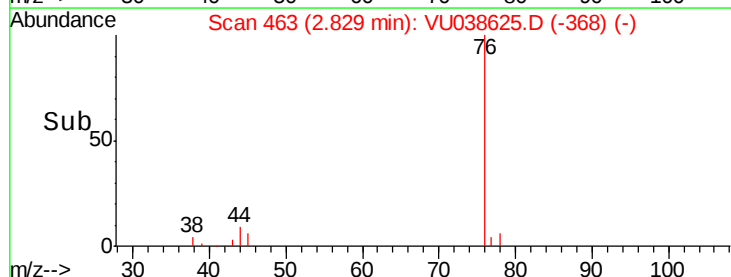
5000

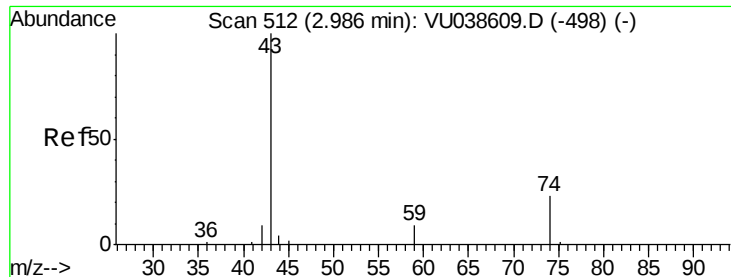
0

Time-->

2.80

2.85





#15

Methyl Acetate

Concen: 0.235 ug/L

RT: 2.99 min Scan# 512

Delta R.T. 0.00 min

Lab File: VU038625.D

Acq: 06 Jun 2020 18:25

Instrument :

MSVOA_U

ClientSampled :

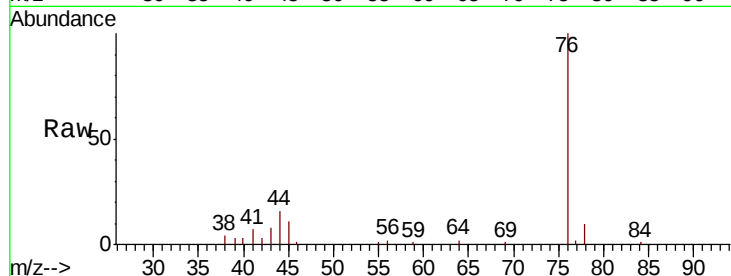
F9D53

Tot Ion: 43 Resp: 2404

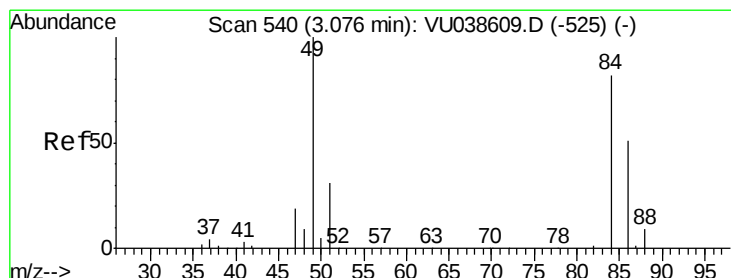
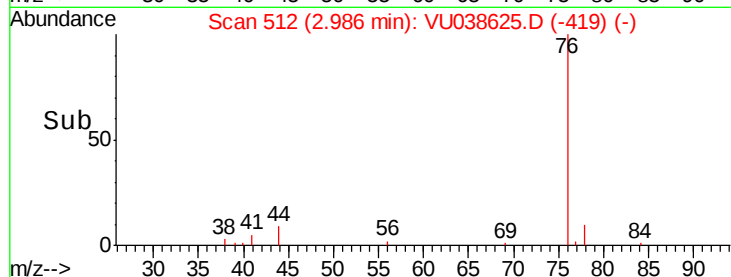
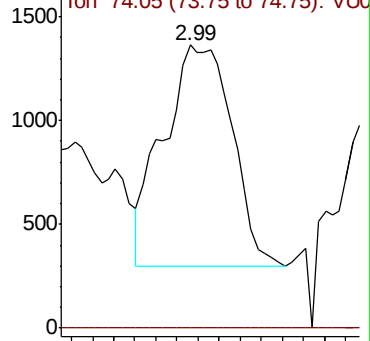
Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#



Abundance Ion 43.05 (42.75 to 43.75): VU038625.D (-419) (-)



#16

Methylene chloride

Concen: 0.170 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU038625.D

Acq: 06 Jun 2020 18:25

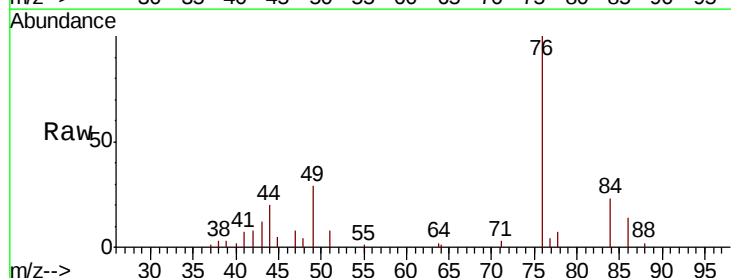
Tgt Ion: 84 Resp: 3856

Ion Ratio Lower Upper

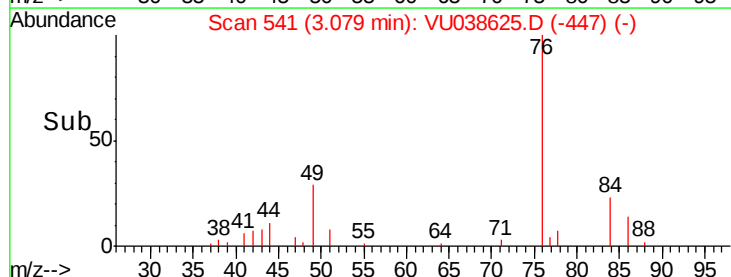
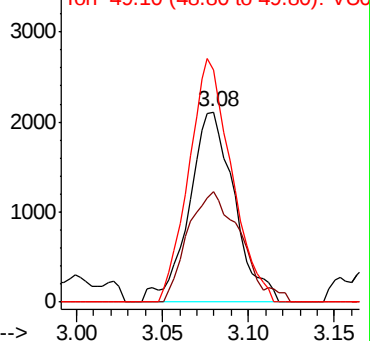
84 100

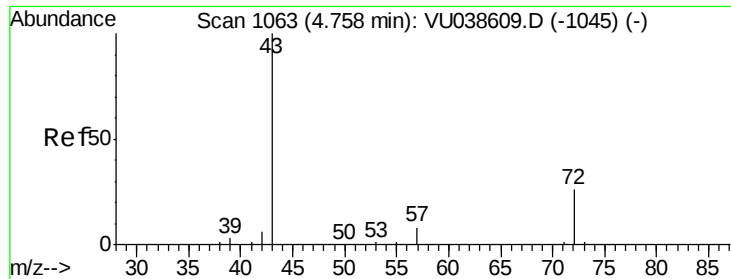
86 58.1 45.0 83.6

49 122.4 85.5 158.9



Abundance Ion 84.05 (83.75 to 84.75): VU038625.D (-447) (-)





#21

2-Butanone

Concen: 1.283 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VU038625.D

Acq: 06 Jun 2020 18:25

Instrument :

MSVOA_U

ClientSampleId :

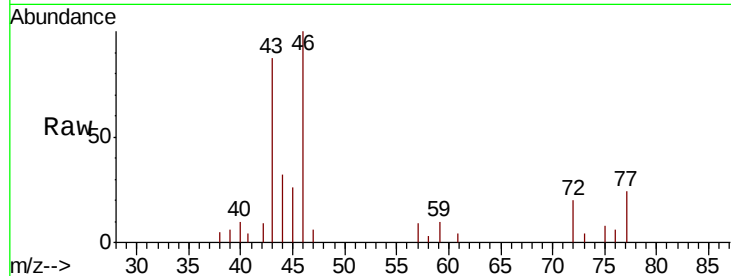
F9D53

Tot Ion: 43 Resp: 9014

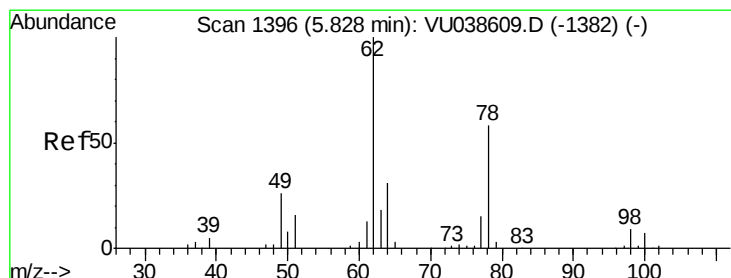
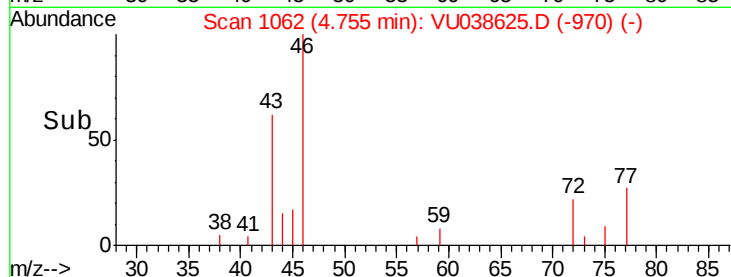
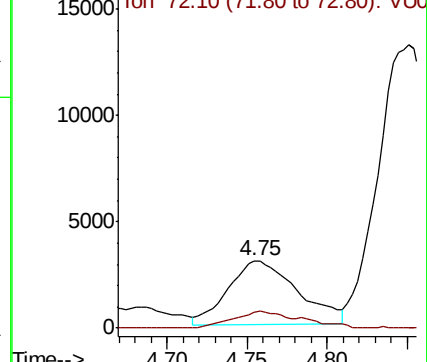
Ion Ratio Lower Upper

43 100

72 25.7 12.6 37.8



Abundance Ion 43.05 (42.75 to 43.75): VU038625.D (-970) (-)



#27

1,2-Dichloroethane

Concen: 0.381 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.02 min

Lab File: VU038625.D

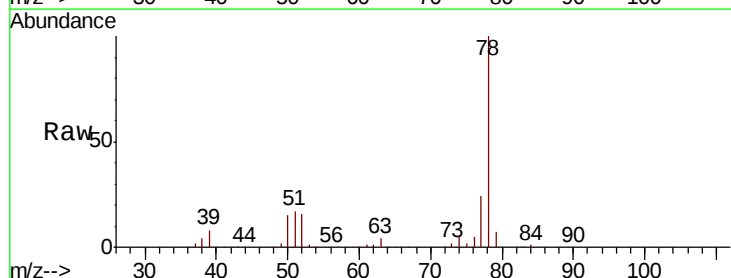
Acq: 06 Jun 2020 18:25

Tgt Ion: 62 Resp: 10505

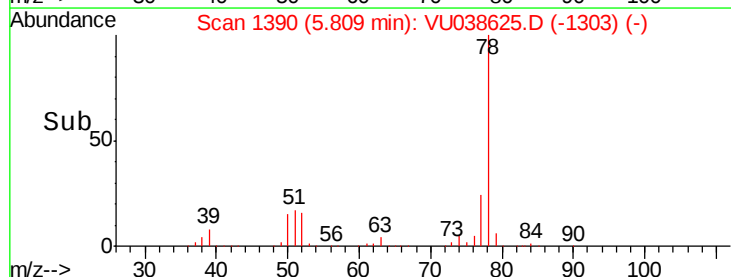
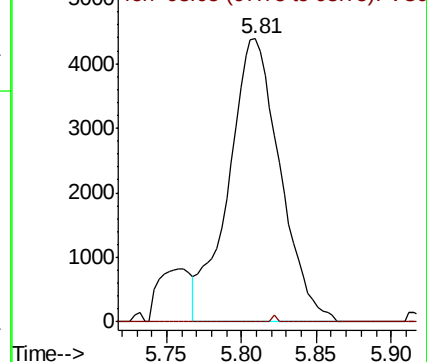
Ion Ratio Lower Upper

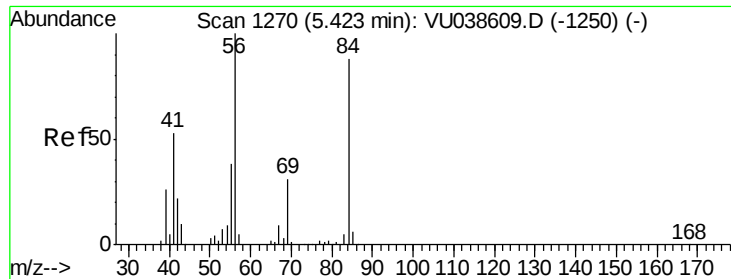
62 100

98 0.0 7.4 11.2#



Abundance Ion 62.00 (61.70 to 62.70): VU038625.D (-1303) (-)

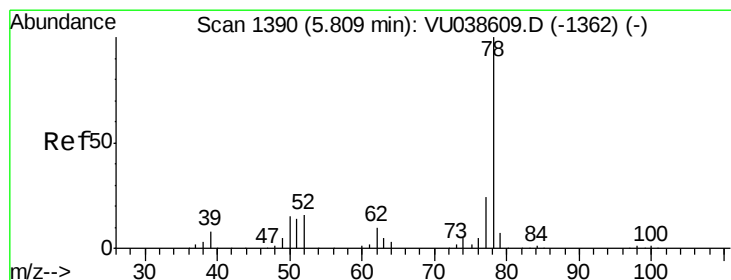
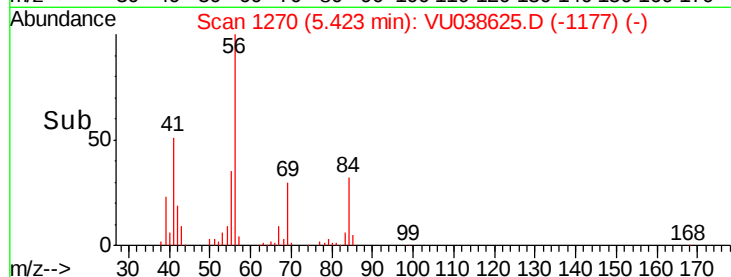
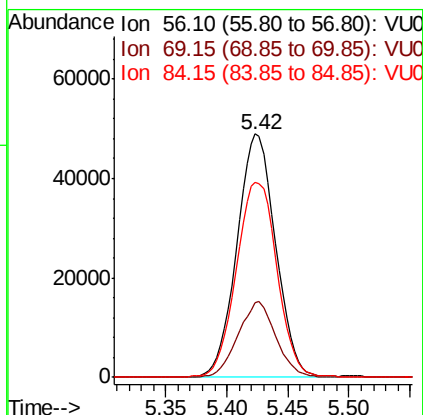
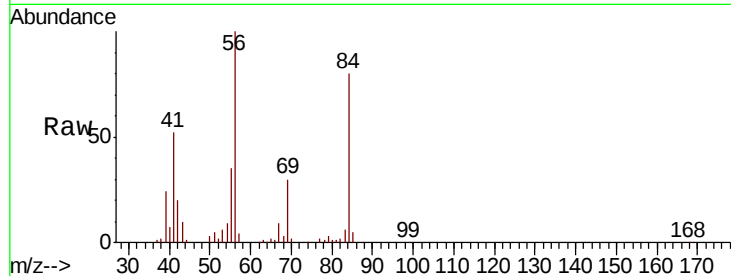




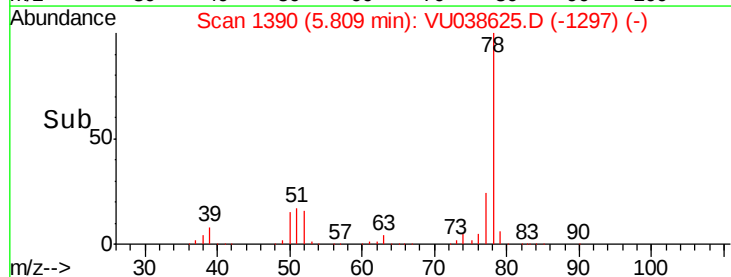
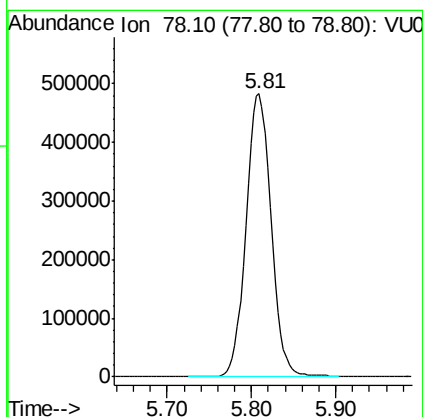
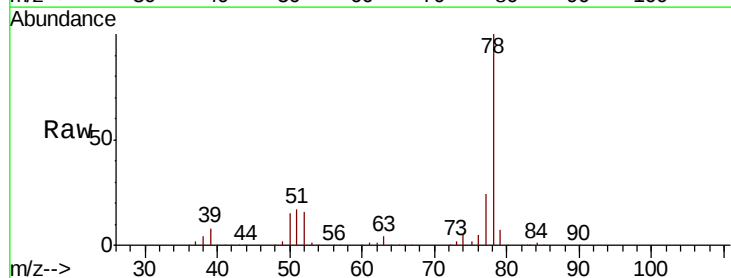
#30
Cyclohexane
Concen: 3.016 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU038625.D
Acq: 06 Jun 2020 18:25

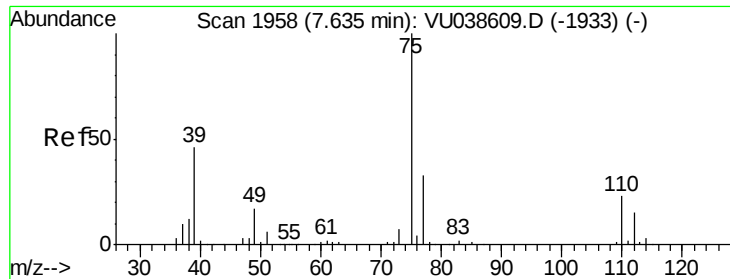
Instrument :
MSVOA_U
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F9D53

Tot Ion: 56 Resp: 107348
Ion Ratio Lower Upper
56 100
69 30.5 24.2 36.4
84 84.5 70.8 106.2



#33
Benzene
Concen: 11.217 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU038625.D
Acq: 06 Jun 2020 18:25
Tgt Ion: 78 Resp: 1003545

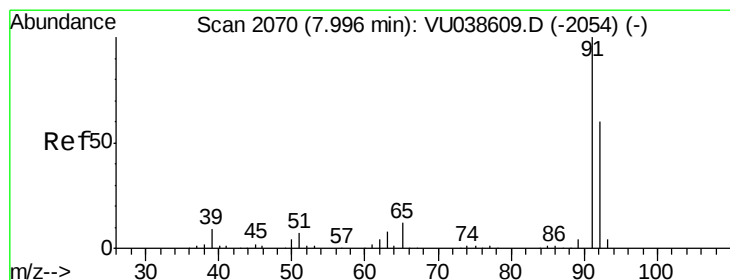
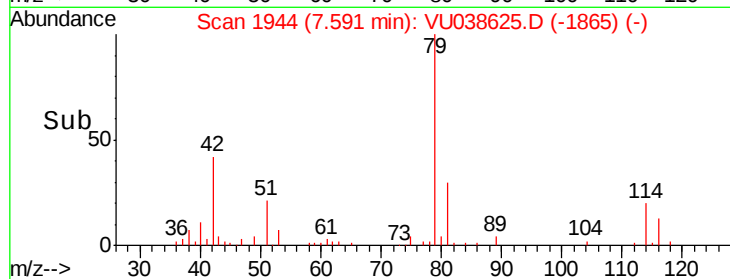
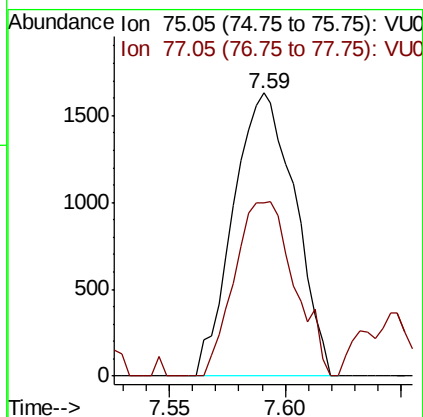
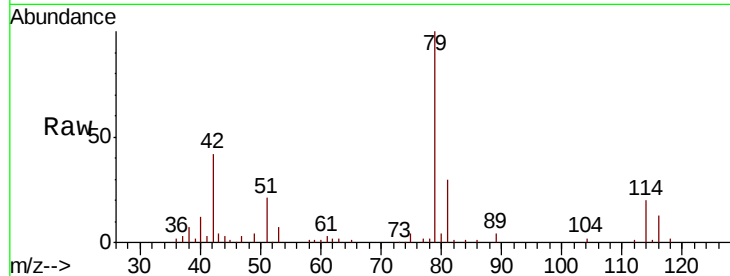




#39
 cis-1,3-Dichloropropene
 Concen: 0.091 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038625.D
 Acq: 06 Jun 2020 18:25

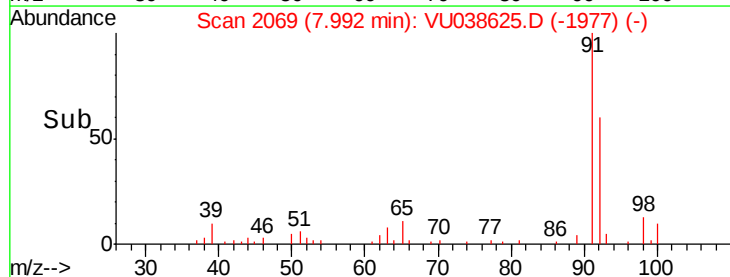
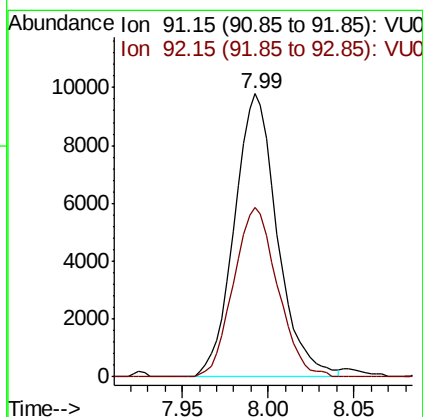
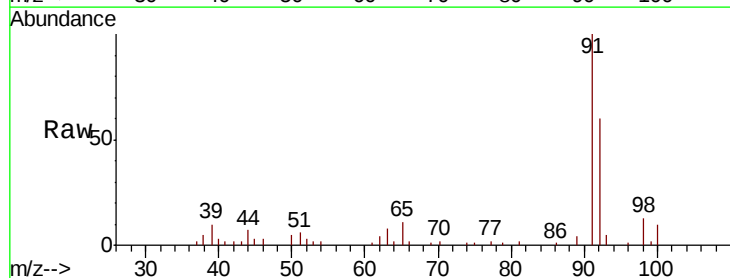
Instrument :
 MSVOA_U
 ClientSampleId :
 F9D53

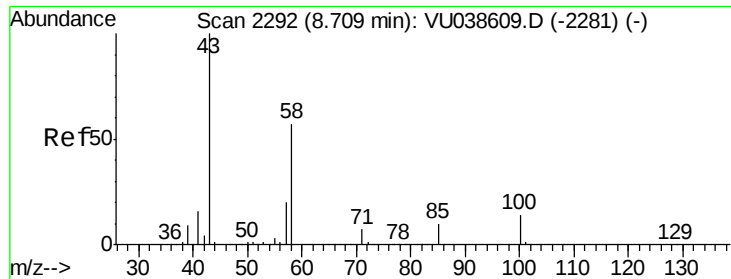
Tot Ion: 75 Resp: 3012
 Ion Ratio Lower Upper
 75 100
 77 61.1 21.9 40.7#



#42
 Toluene
 Concen: 0.181 ug/L
 RT: 7.99 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: VU038625.D
 Acq: 06 Jun 2020 18:25

Tgt Ion: 91 Resp: 16995
 Ion Ratio Lower Upper
 91 100
 92 59.9 43.0 79.8

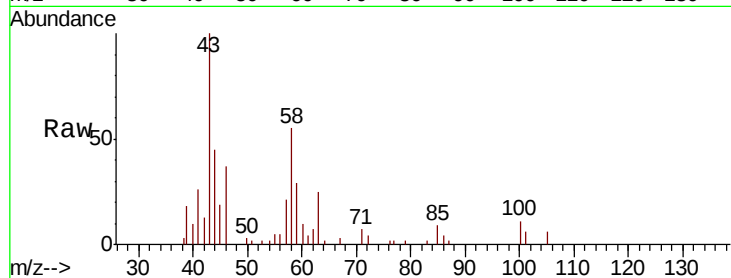




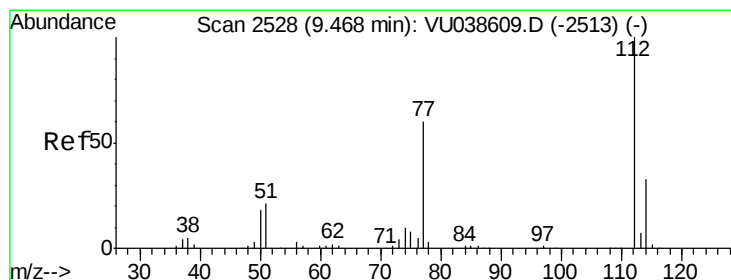
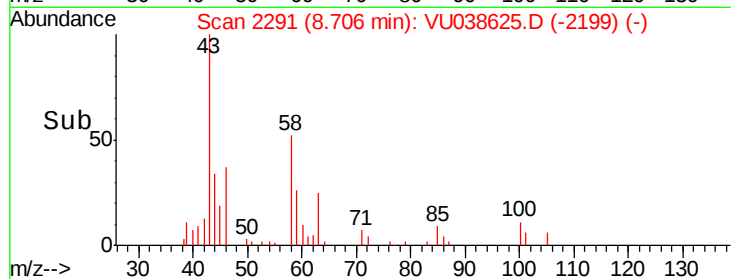
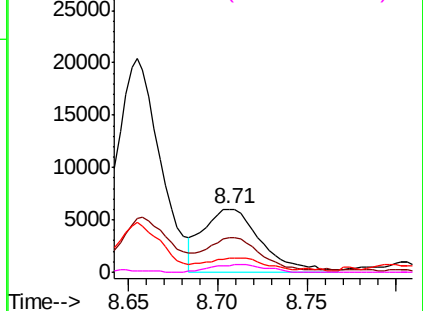
#48
2-Hexanone
Concen: 1.120 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038625.D
Acq: 06 Jun 2020 18:25

Instrument :
MSVOA_U
ClientSampleId :
F9D53

Tot Ion:	43	Resp:	13658
Ion	Ratio	Lower	Upper
43	100		
58	46.7	45.4	68.0
57	16.9	15.9	23.9
100	11.1	10.5	15.7

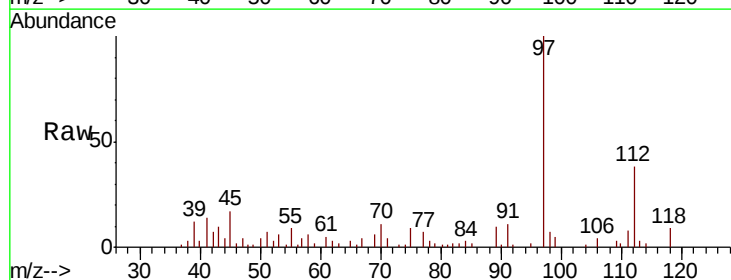


Abundance Ion 43.05 (42.75 to 43.75): VU038625.D (-2199) (-)

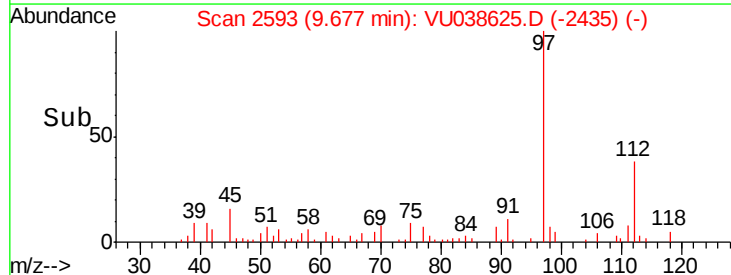
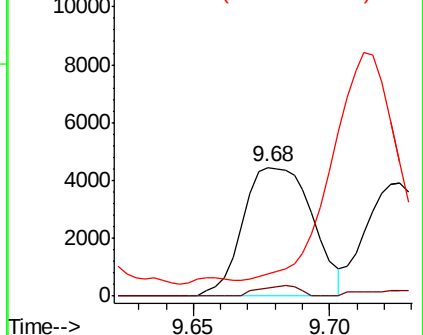


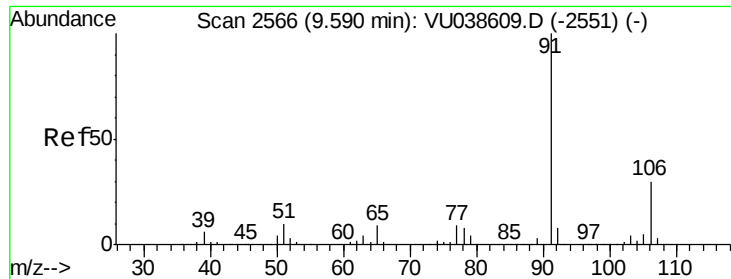
#51
Chlorobenzene
Concen: 0.130 ug/L
RT: 9.68 min Scan# 2593
Delta R.T. 0.21 min
Lab File: VU038625.D
Acq: 06 Jun 2020 18:25

Tgt Ion:	112	Resp:	7854
Ion	Ratio	Lower	Upper
112	100		
114	6.0	22.4	41.6#
77	17.3	47.1	70.7#



Abundance Ion 112.10 (111.80 to 112.80): VU038625.D (-2435) (-)





#52

Ethylbenzene

Concen: 9.504 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038625.D

Acq: 06 Jun 2020 18:25

Instrument :

MSVOA_U

ClientSampleId :

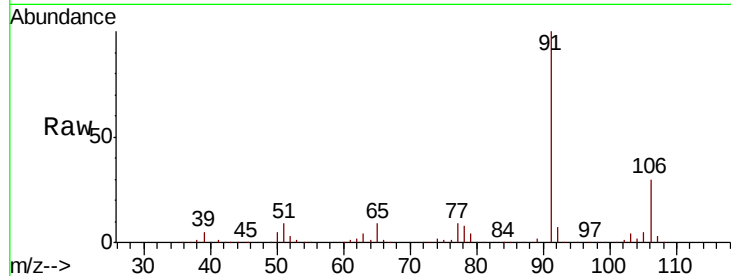
F9D53

Tot Ion: 91 Resp: 992220

Ion Ratio Lower Upper

91 100

106 30.3 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU038609.D (-2551) (-)

Ion 106.15 (105.85 to 106.85): VU038625.D (-2473) (-)

9.59

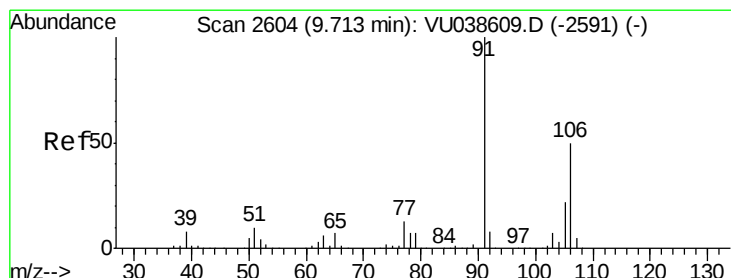
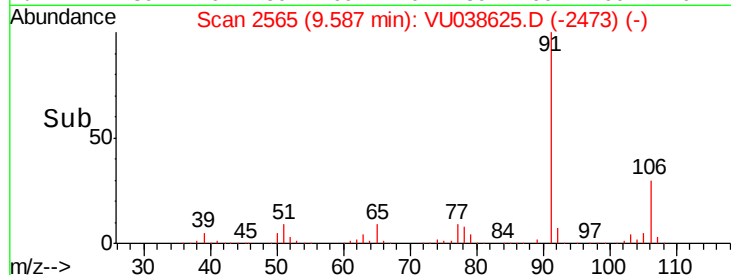
600000

400000

200000

0

Time-->



#53

m,p-Xylene

Concen: 1.148 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU038625.D

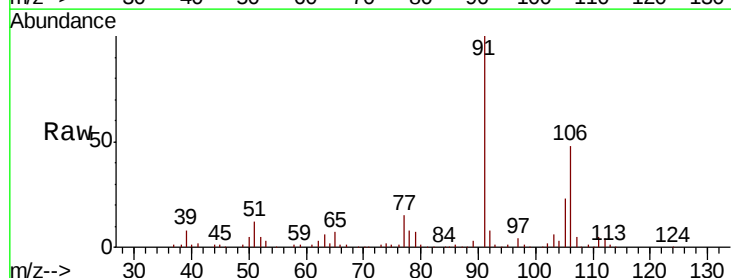
Acq: 06 Jun 2020 18:25

Tgt Ion: 106 Resp: 46075

Ion Ratio Lower Upper

106 100

91 207.7 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VU038609.D (-2591) (-)

Ion 91.15 (90.85 to 91.85): VU038625.D (-2511) (-)

9.71

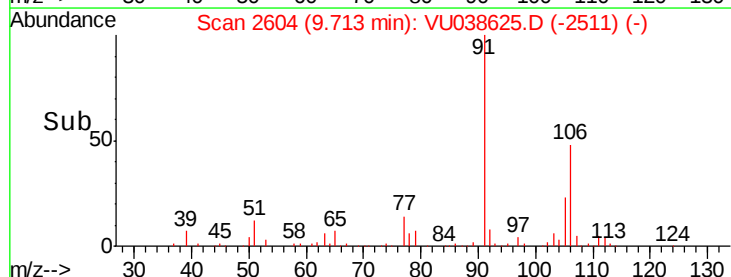
60000

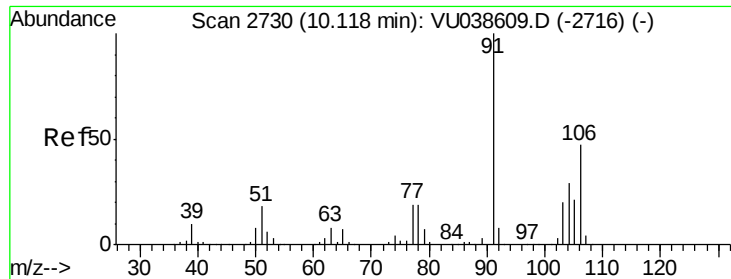
40000

20000

0

Time-->

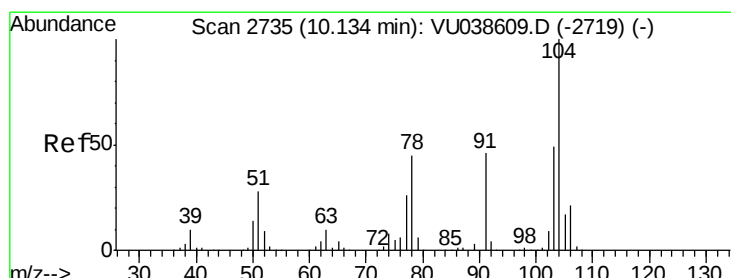
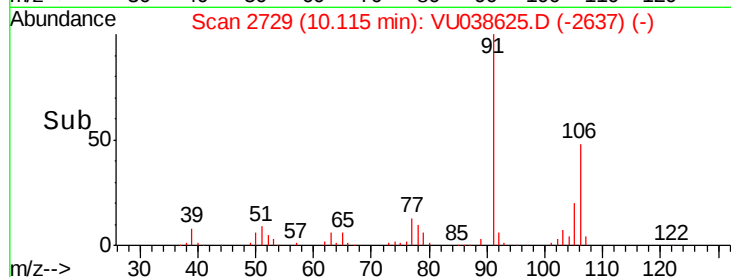
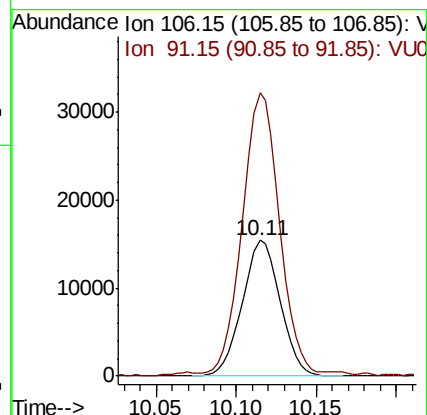
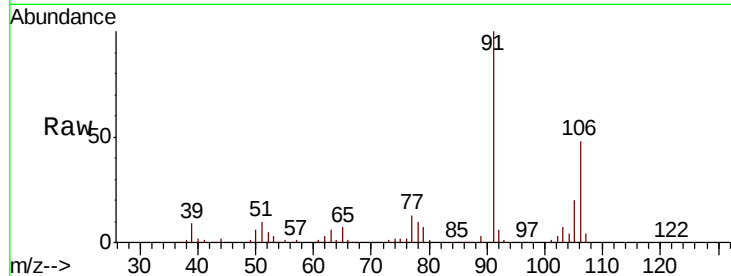




#54
o-Xylene
Concen: 0.645 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU038625.D
Acq: 06 Jun 2020 18:25

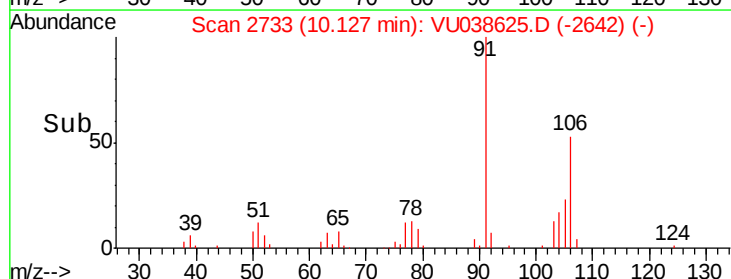
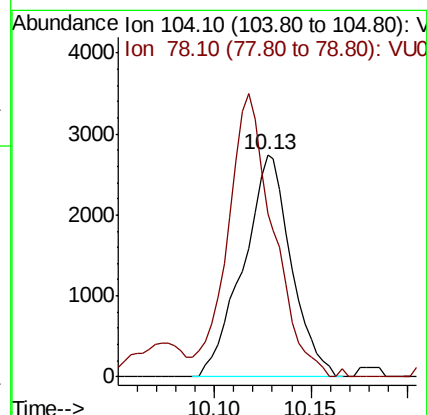
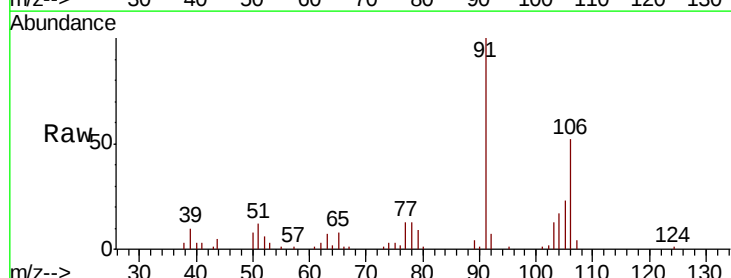
Instrument :
MSVOA_U
ClientSampled :
F9D53

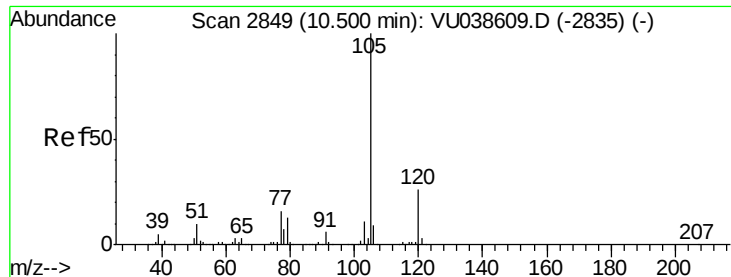
Tot Ion:106 Resp: 24850
Ion Ratio Lower Upper
106 100
91 208.0 150.6 279.8



#55
Styrene
Concen: 0.072 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.01 min
Lab File: VU038625.D
Acq: 06 Jun 2020 18:25

Tgt Ion:104 Resp: 4726
Ion Ratio Lower Upper
104 100
78 73.5 31.9 59.3#





#56

Isopropylbenzene

Concen: 0.261 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU038625.D

Acq: 06 Jun 2020 18:25

Instrument :

MSVOA_U

ClientSampleId :

F9D53

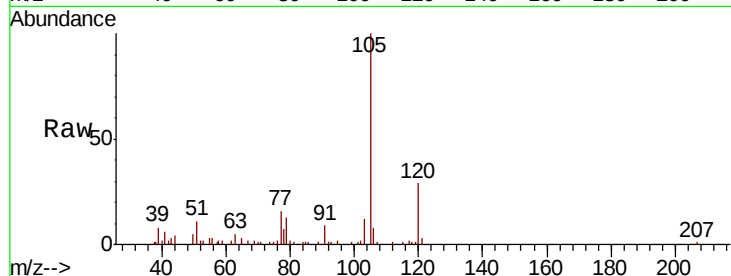
Tot Ion:105 Resp: 26436

Ion Ratio Lower Upper

105 100

120 28.1 20.7 31.1

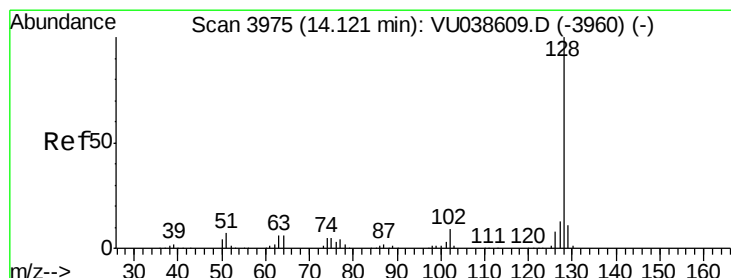
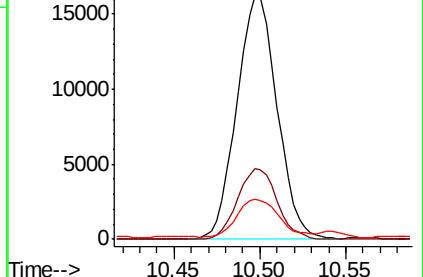
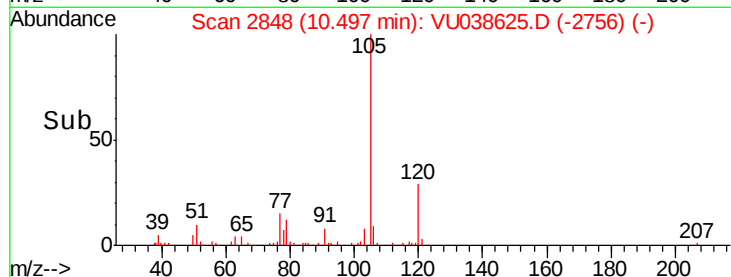
77 17.8 12.5 18.7



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): VU



#69

Naphthalene

Concen: 0.959 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU038625.D

Acq: 06 Jun 2020 18:25

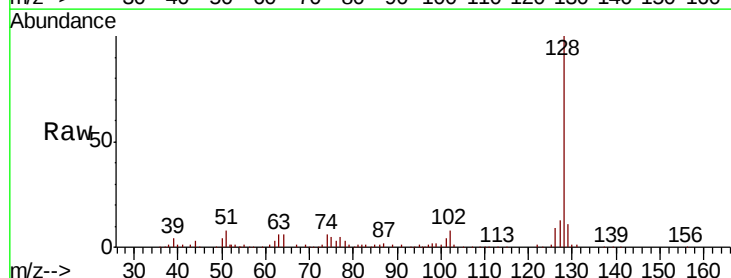
Tgt Ion:128 Resp: 63757

Ion Ratio Lower Upper

128 100

129 12.7 8.9 13.3

127 13.3 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

