

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
 Data File : VU038418.D
 Acq On : 30 May 2020 17:10
 Operator : JC/MD
 Sample : L2766-09DL 200X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 01 02:40:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 02:37:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	319687	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	312593	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	149457	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	107562	5.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.00%
7) Chloroethane-d5	1.93	69	89328	5.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.40%
11) 1,1-Dichloroethene-d2	2.59	63	157871	3.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.60%
20) 2-Butanone-d5	4.68	46	384921	61.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.48%
24) Chloroform-d	5.10	84	211792	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.00%
26) 1,2-Dichloroethane-d4	5.74	65	127705	5.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.80%
32) Benzene-d6	5.76	84	428816	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.80%
36) 1,2-Dichloropropane-d6	6.72	67	133723	5.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.40%
41) Toluene-d8	7.92	98	366601	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
43) trans-1,3-Dichloropropene-	8.20	79	54858	5.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.20%
46) 2-Hexanone-d5	8.65	63	335755	65.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	131.76%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	114867	5.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	149505	5.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	3943	0.159	ug/L #	49
8) Chloroethane	1.95	64	3891	0.262	ug/L	100
12) 1,1-Dichloroethene	2.59	96	1538	0.078	ug/L #	1
22) cis-1,2-Dichloroethene	4.71	96	30236	1.323	ug/L	94
27) 1,2-Dichloroethane	5.81	62	6435	0.237	ug/L #	74
33) Benzene	5.81	78	612488	7.026	ug/L	100
37) 1,2-Dichloropropane	6.72	63	14979	0.683	ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	3520	0.109	ug/L #	50
42) Toluene	7.99	91	1067874	11.680	ug/L	99
48) 2-Hexanone	8.71	43	13609	1.146	ug/L #	94
51) Chlorobenzene	9.47	112	29923	0.507	ug/L	99
52) Ethylbenzene	9.59	91	127326	1.252	ug/L	99
53) m,p-Xylene	9.71	106	101477	2.594	ug/L	99
54) o-Xylene	10.12	106	25514	0.679	ug/L	91
56) Isopropylbenzene	10.50	105	22401	0.227	ug/L	95
59) 1,2,3-Trichloropropane	11.82	75	19553	1.194	ug/L	91
63) 1,4-Dichlorobenzene	11.85	146	3166	0.071	ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 01 02:37:32 2020
Response via : Initial Calibration

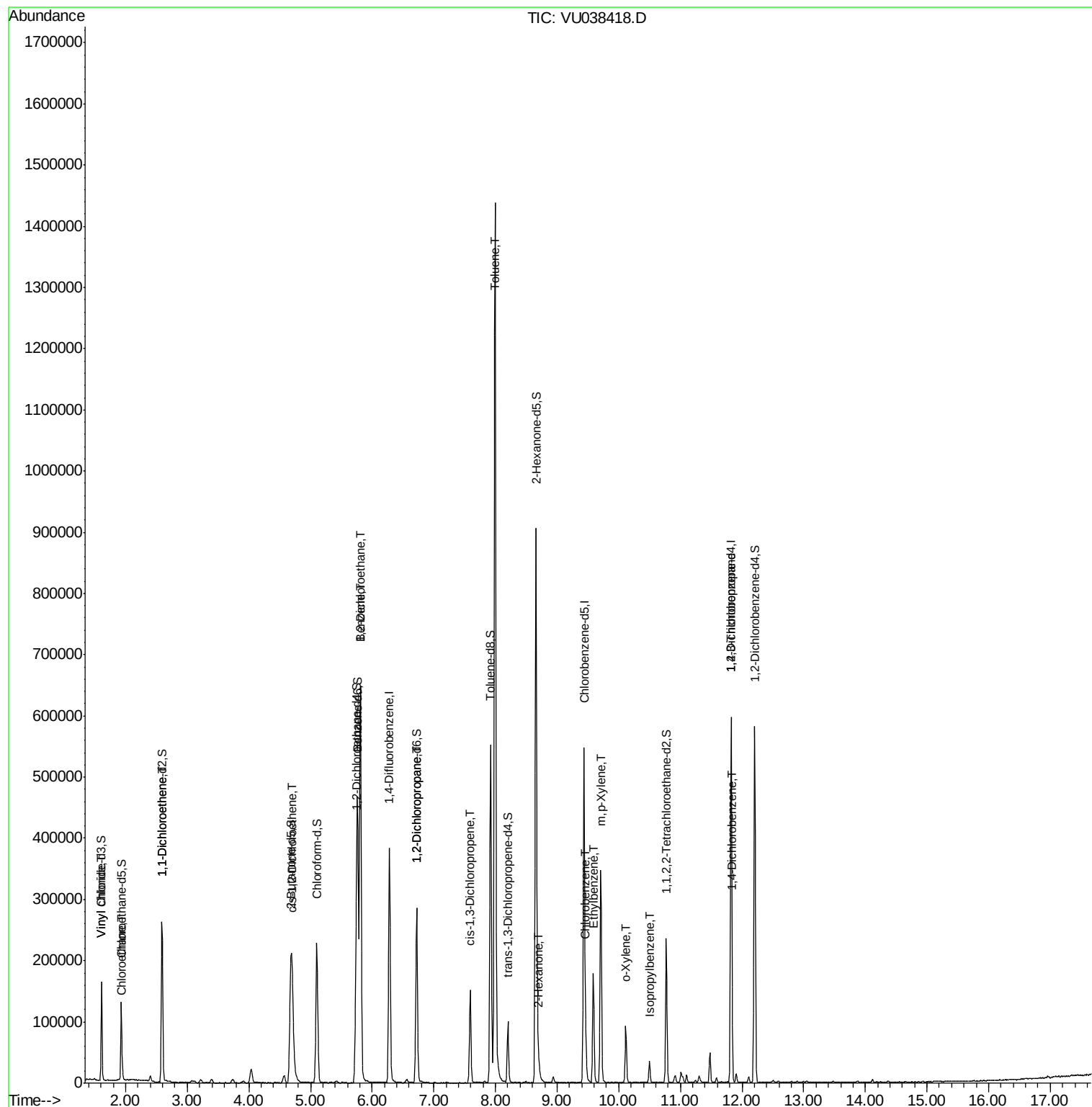
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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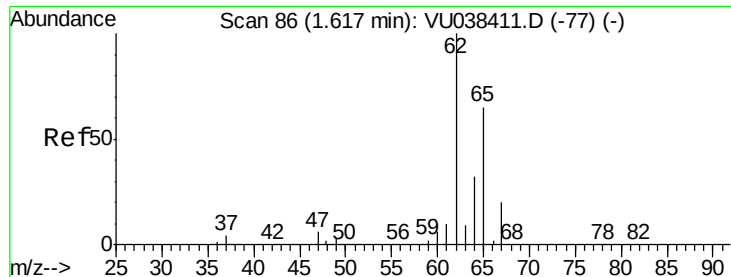
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 01 02:37:32 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.159 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038418.D

Acq: 30 May 2020 17:10

Instrument :

MSVOA_U

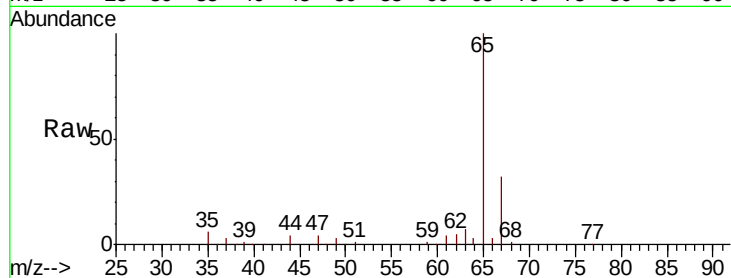
ClientSampleId :

Tot Ion: 62 Resp: 3943

Ion Ratio Lower Upper

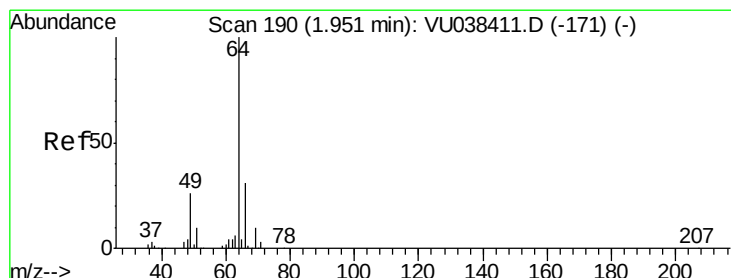
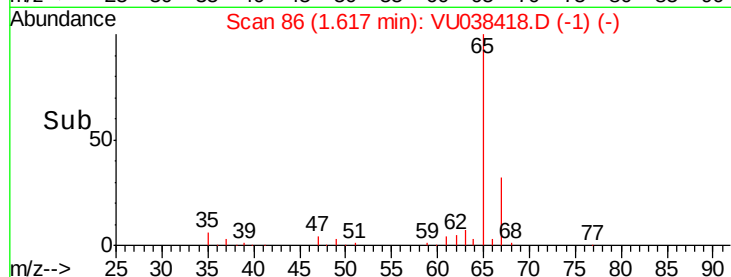
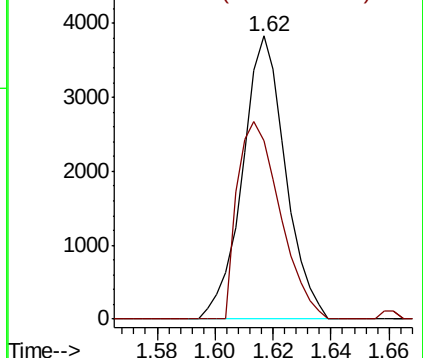
62 100

64 63.0 23.7 43.9#



Abundance Ion 62.00 (61.70 to 62.70): VU038418.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU038418.D (-77) (-)



#8

Chloroethane

Concen: 0.262 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU038418.D

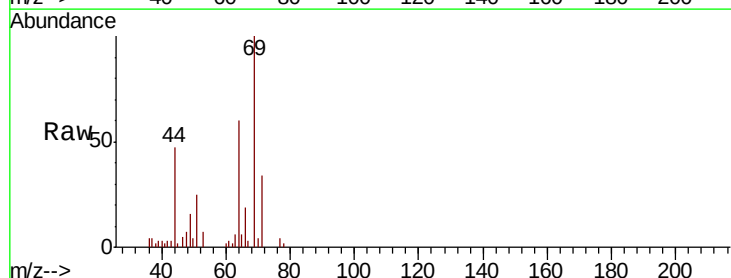
Acq: 30 May 2020 17:10

Tgt Ion: 64 Resp: 3891

Ion Ratio Lower Upper

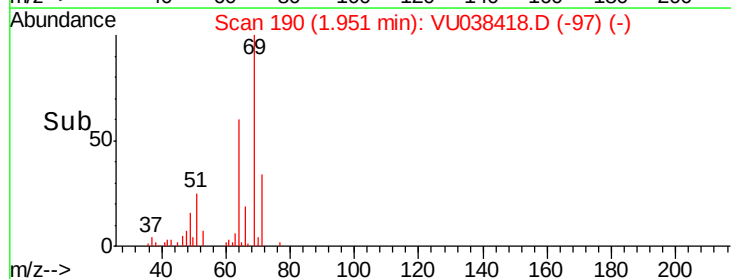
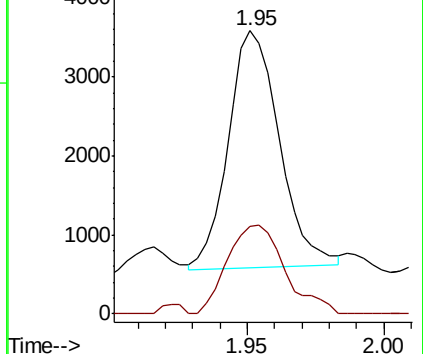
64 100

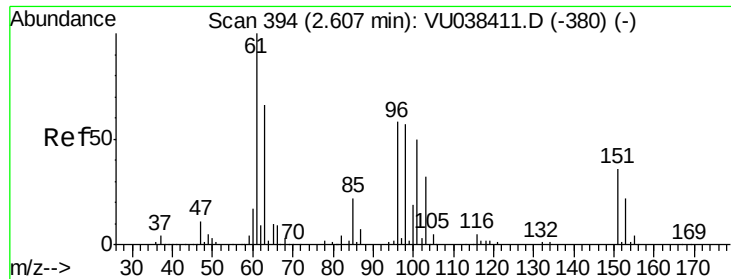
66 30.9 21.5 39.9



Abundance Ion 64.10 (63.80 to 64.80): VU038418.D (-171) (-)

Ion 66.05 (65.75 to 66.75): VU038418.D (-171) (-)

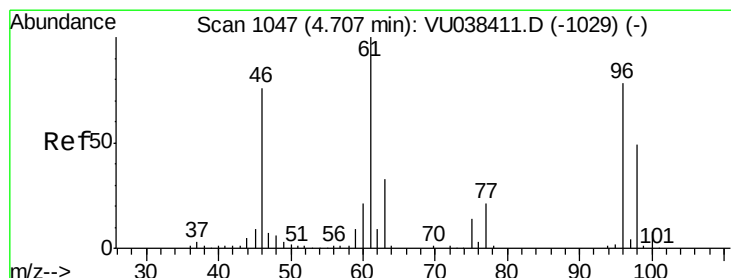
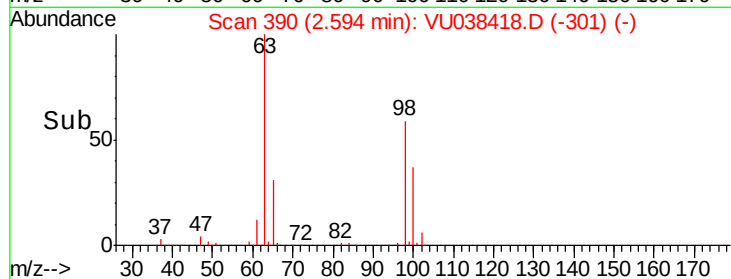
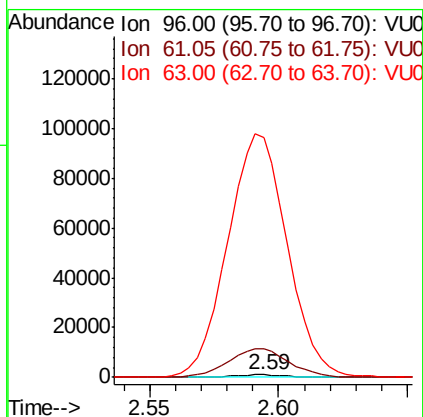
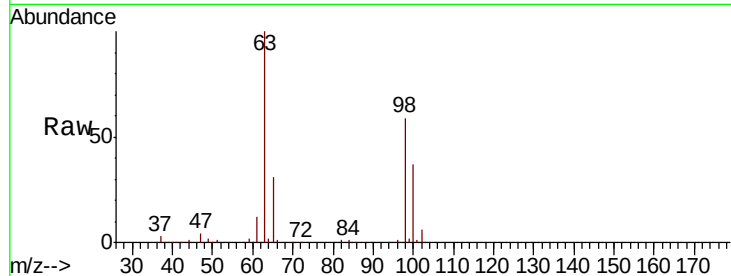




#12
 1,1-Dichloroethene
 Concen: 0.078 ug/L
 RT: 2.59 min Scan# 390
 Delta R.T. -0.01 min
 Lab File: VU038418.D
 Acq: 30 May 2020 17:10

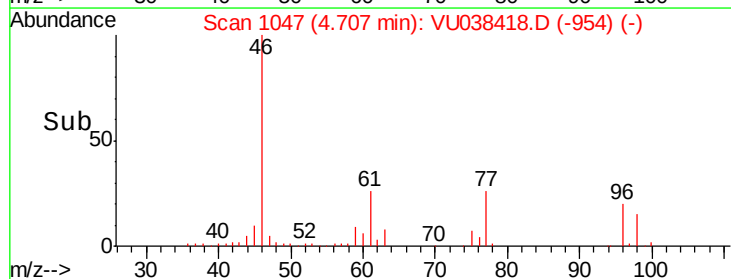
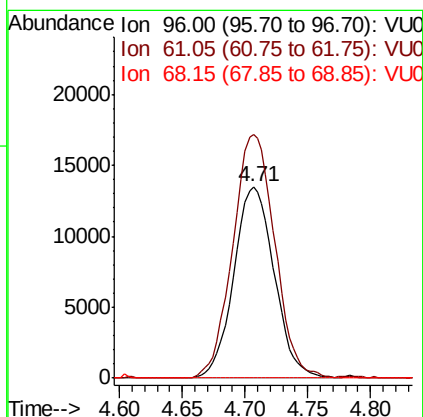
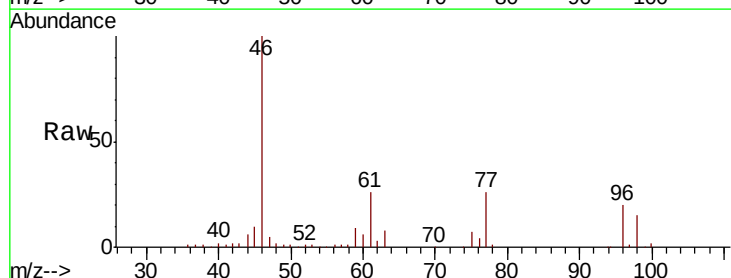
Instrument :
 MSVOA_U
 ClientSampleId :

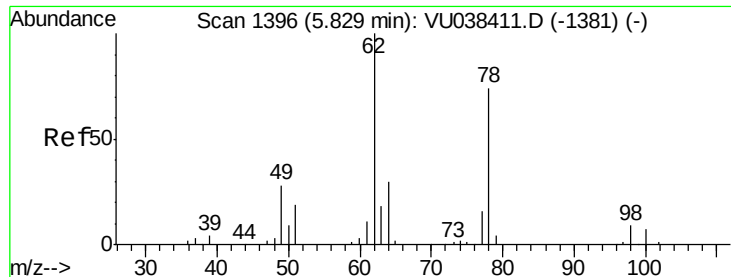
Tot Ion: 96 Resp: 1538
 Ion Ratio Lower Upper
 96 100
 61 1060.5 119.9 222.7#
 63 8889.2 89.9 167.0#



#22
 cis-1,2-Dichloroethene
 Concen: 1.323 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU038418.D
 Acq: 30 May 2020 17:10

Tgt Ion: 96 Resp: 30236
 Ion Ratio Lower Upper
 96 100
 61 127.1 94.0 174.6
 68 0.0 0.0 0.0

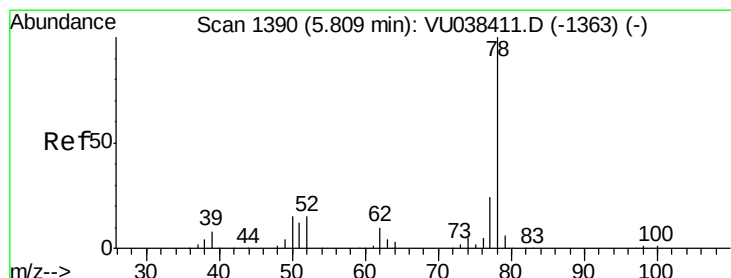
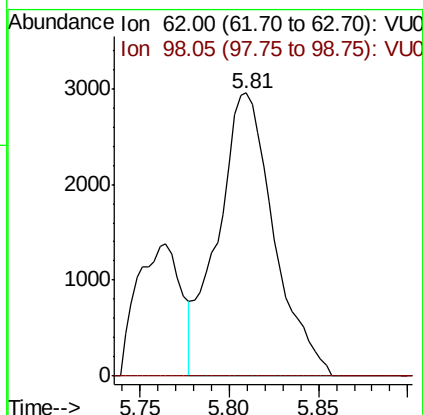
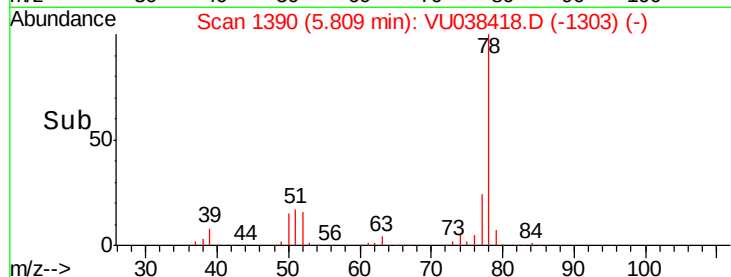
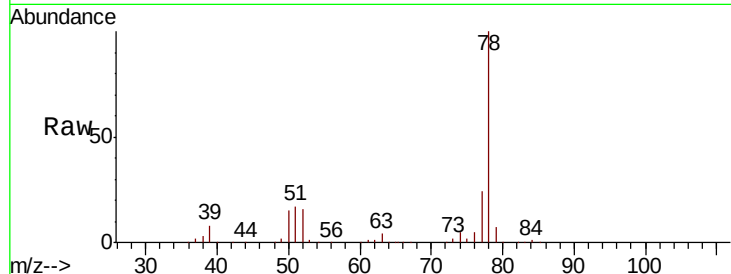




#27
 1,2-Dichloroethane
 Concen: 0.237 ug/L
 RT: 5.81 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: VU038418.D
 Acq: 30 May 2020 17:10

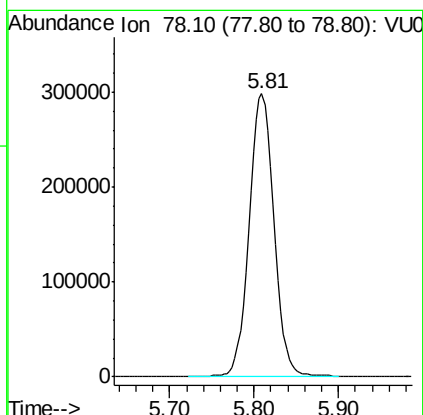
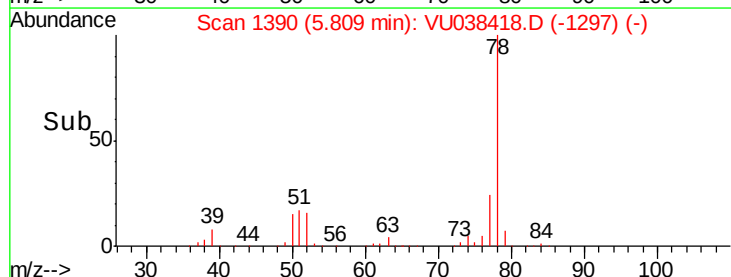
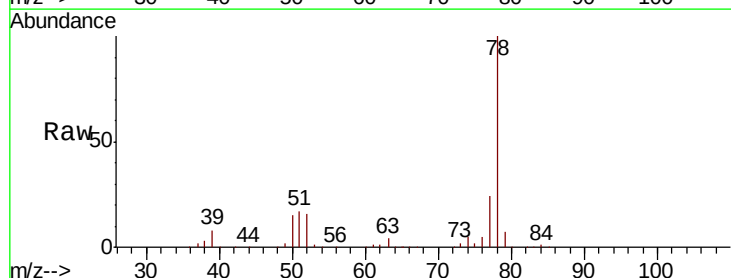
Instrument :
 MSVOA_U
 ClientSampleId :

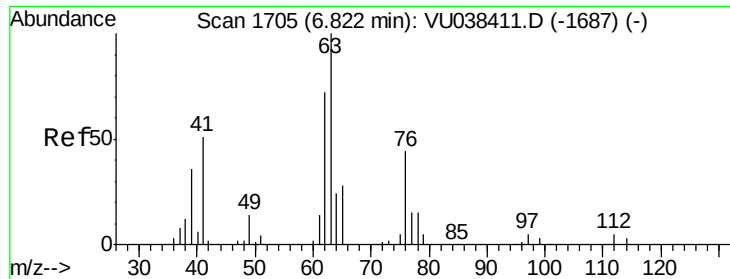
Tot Ion: 62 Resp: 6435
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.4 11.2#



#33
 Benzene
 Concen: 7.026 ug/L
 RT: 5.81 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VU038418.D
 Acq: 30 May 2020 17:10

Tgt Ion: 78 Resp: 612488

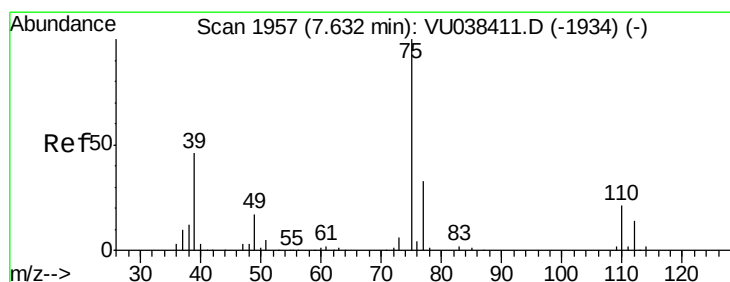
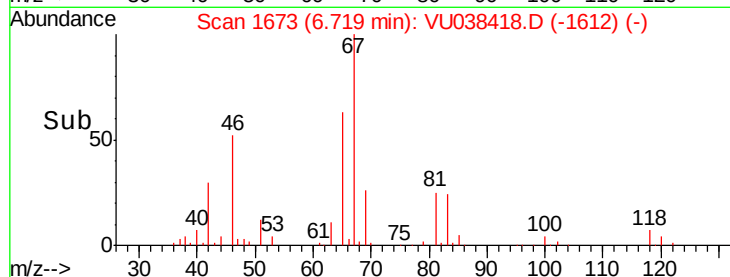
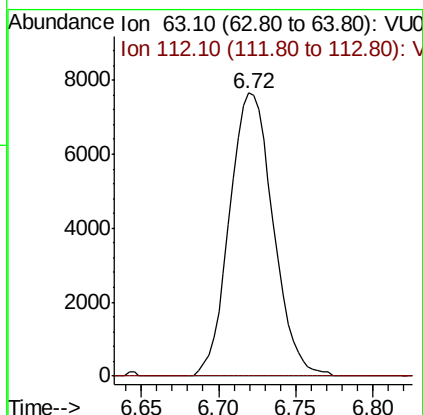
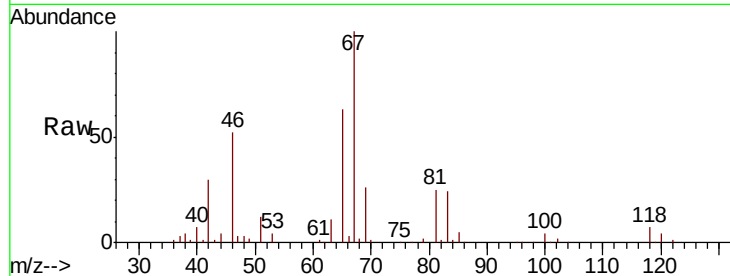




#37
 1,2-Dichloropropane
 Concen: 0.683 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU038418.D
 Acq: 30 May 2020 17:10

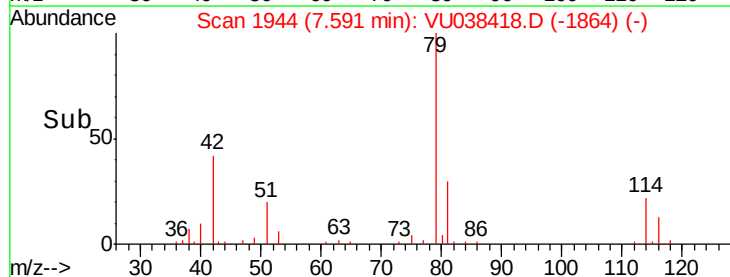
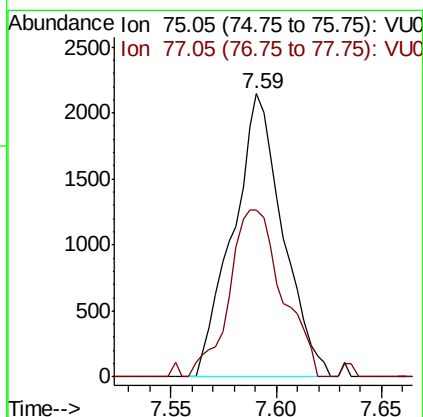
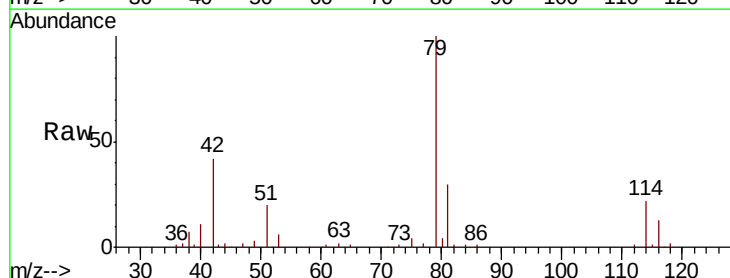
Instrument :
 MSVOA_U
 ClientSampleId :

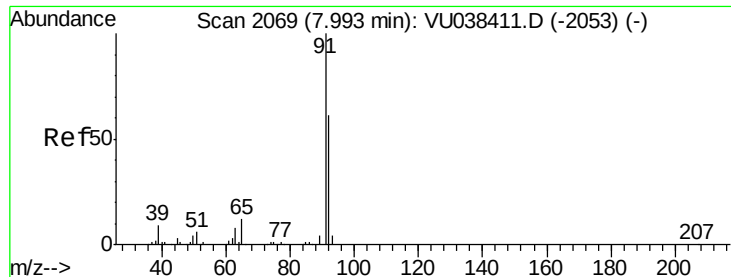
Tot Ion: 63 Resp: 14979
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.109 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038418.D
 Acq: 30 May 2020 17:10

Tgt Ion: 75 Resp: 3520
 Ion Ratio Lower Upper
 75 100
 77 58.9 21.9 40.7#





#42

Toluene

Concen: 11.680 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038418.D

Acq: 30 May 2020 17:10

Instrument :

MSVOA_U

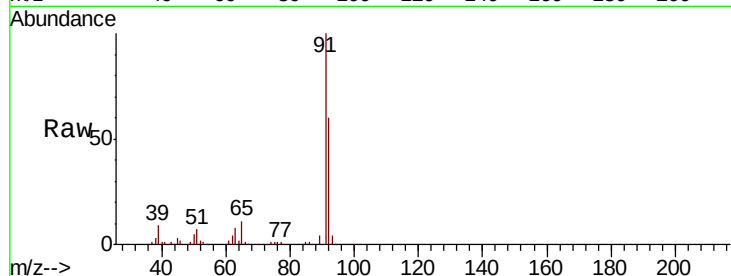
ClientSampleId :

Tot Ion: 91 Resp: 1067874

Ion Ratio Lower Upper

91 100

92 60.4 43.0 79.8



Abundance Ion 91.15 (90.85 to 91.85): VU038418.D (-2053) (-)

Ion 92.15 (91.85 to 92.85): VU038418.D (-2053) (-)

7.99

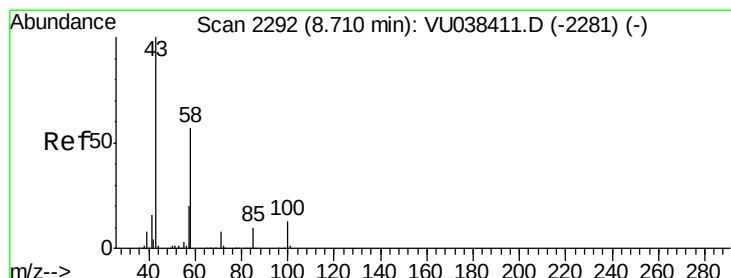
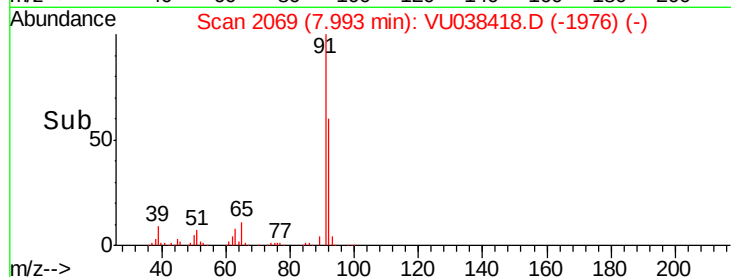
600000

400000

200000

0

Time-->



#48

2-Hexanone

Concen: 1.146 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU038418.D

Acq: 30 May 2020 17:10

Tgt Ion: 43 Resp: 13609

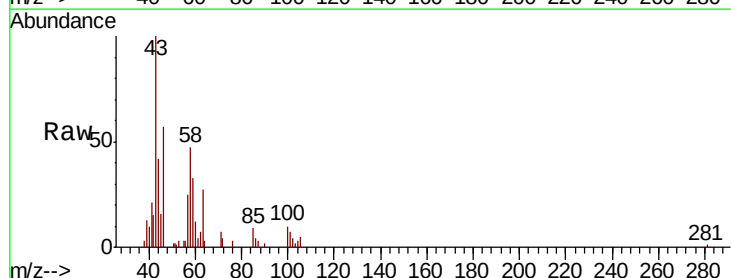
Ion Ratio Lower Upper

43 100

58 54.5 45.4 68.0

57 26.7 15.9 23.9#

100 9.8 10.5 15.7#



Abundance Ion 43.05 (42.75 to 43.75): VU038418.D (-2281) (-)

Ion 58.05 (57.75 to 58.75): VU038418.D (-2281) (-)

Ion 57.20 (56.90 to 57.90): VU038418.D (-2281) (-)

Ion 100.15 (99.85 to 100.85): VU038418.D (-2281) (-)

30000

25000

20000

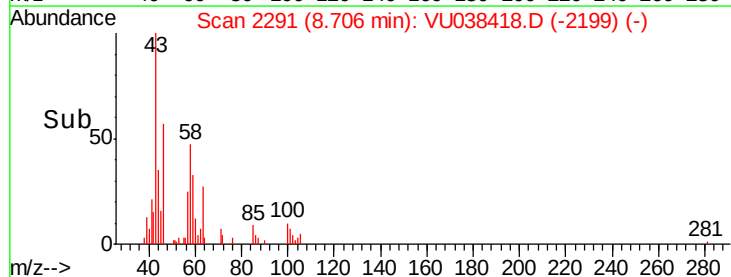
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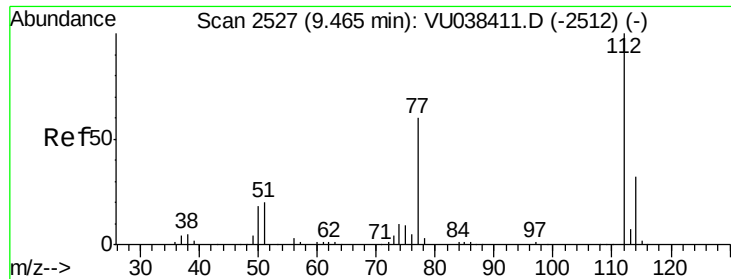
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5000

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Time-->

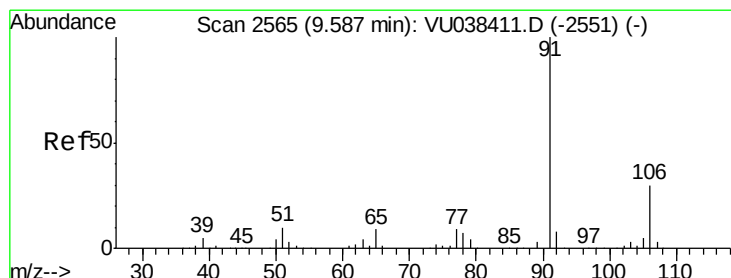
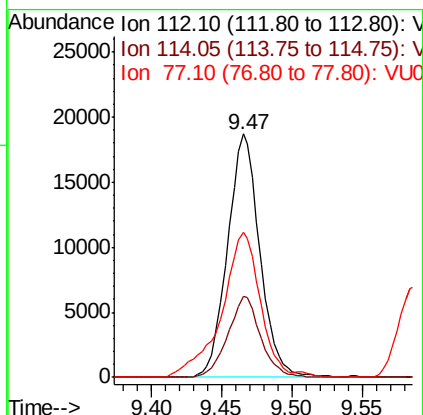
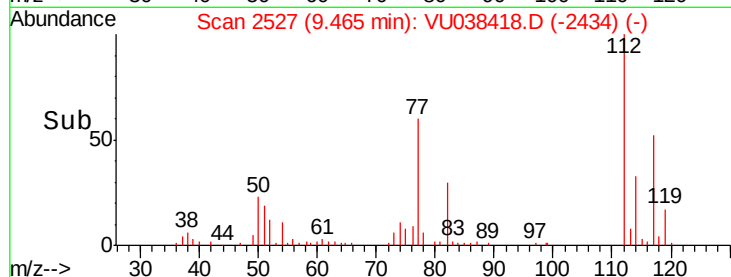
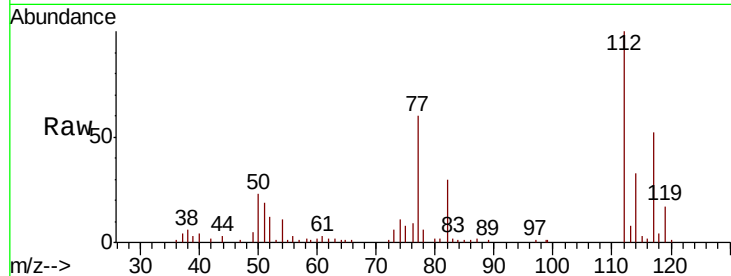




#51
Chlorobenzene
Concen: 0.507 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. 0.00 min
Lab File: VU038418.D
Acq: 30 May 2020 17:10

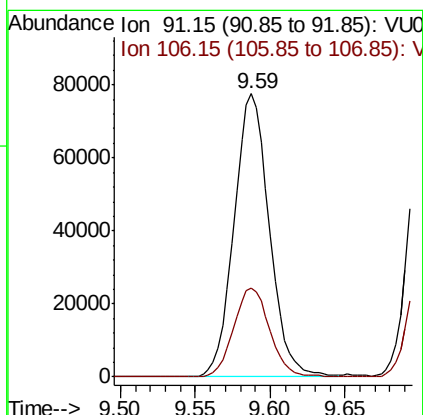
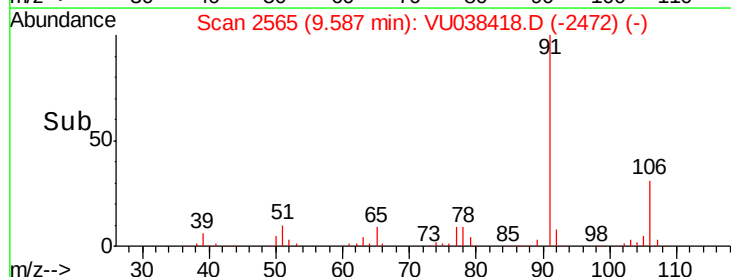
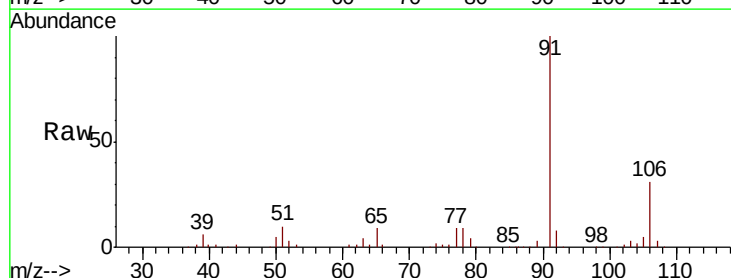
Instrument :
MSVOA_U
ClientSampleId :

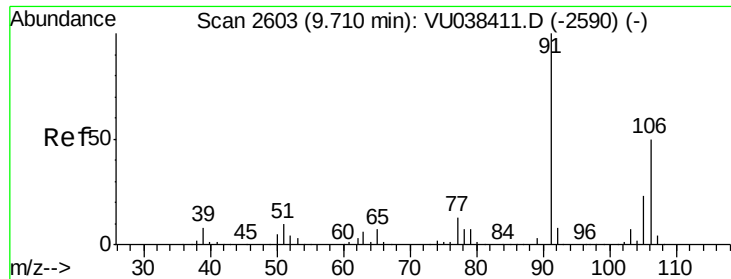
Tot Ion:112 Resp: 29923
Ion Ratio Lower Upper
112 100
114 33.3 22.4 41.6
77 59.6 47.1 70.7



#52
Ethylbenzene
Concen: 1.252 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. 0.00 min
Lab File: VU038418.D
Acq: 30 May 2020 17:10

Tgt Ion: 91 Resp: 127326
Ion Ratio Lower Upper
91 100
106 31.5 21.7 40.3





#53

m,p-Xylene

Concen: 2.594 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU038418.D

Acq: 30 May 2020 17:10

Instrument :

MSVOA_U

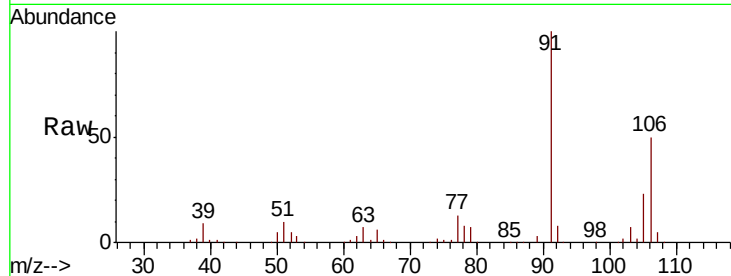
ClientSampled :

Tot Ion:106 Resp: 101477

Ion Ratio Lower Upper

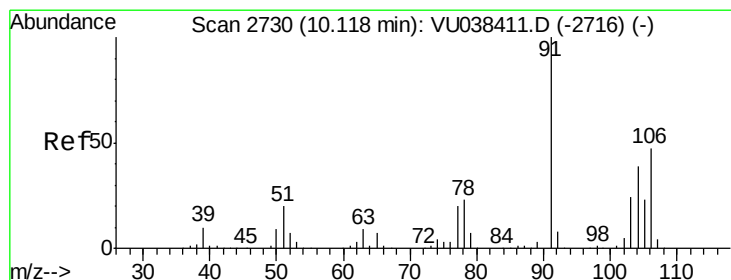
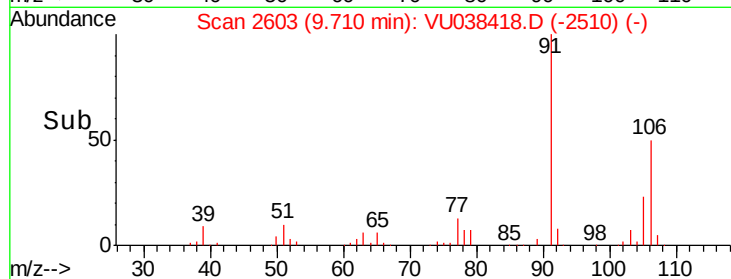
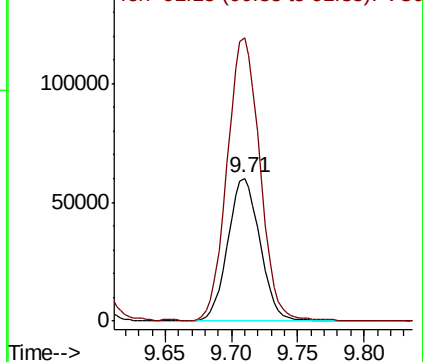
106 100

91 198.1 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.679 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU038418.D

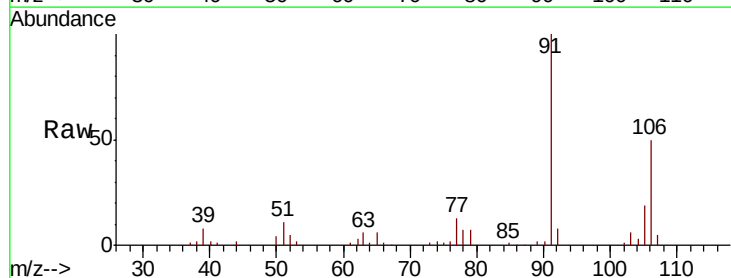
Acq: 30 May 2020 17:10

Tgt Ion:106 Resp: 25514

Ion Ratio Lower Upper

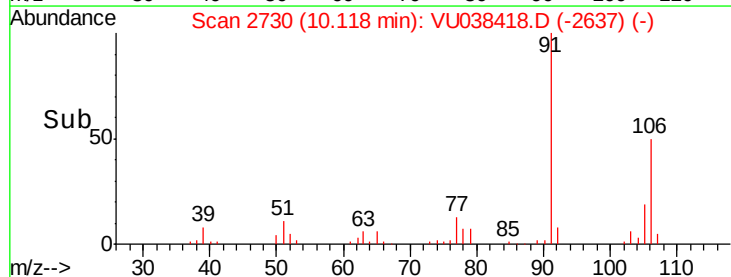
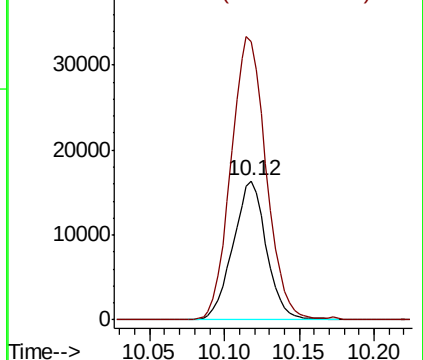
106 100

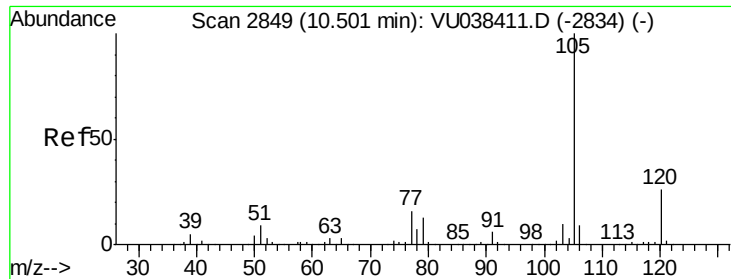
91 200.2 150.6 279.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 0.227 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU038418.D

Acq: 30 May 2020 17:10

Instrument :

MSVOA_U

ClientSampleId :

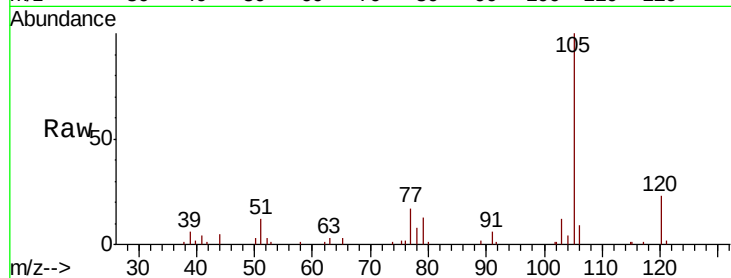
Tot Ion:105 Resp: 22401

Ion Ratio Lower Upper

105 100

120 22.7 20.7 31.1

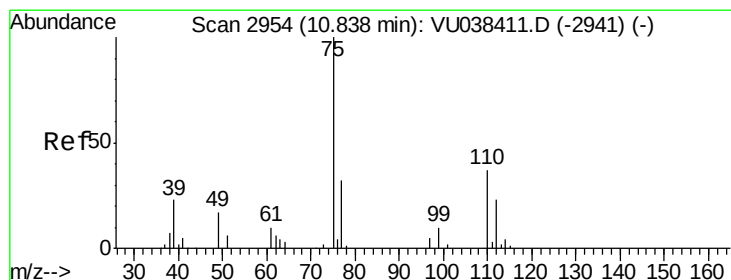
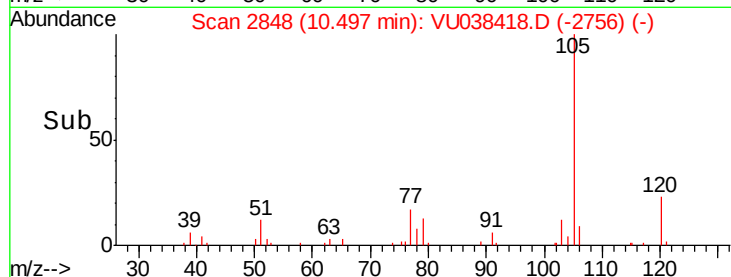
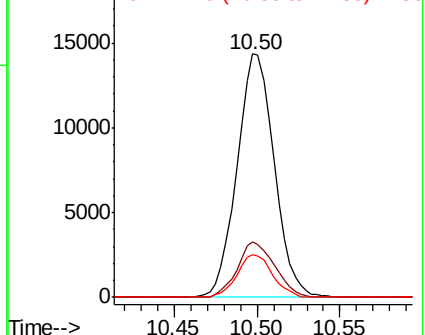
77 16.5 12.5 18.7



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): VU



#59

1,2,3-Trichloropropane

Concen: 1.194 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038418.D

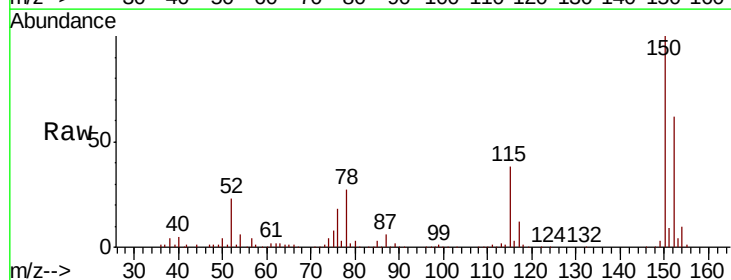
Acq: 30 May 2020 17:10

Tgt Ion: 75 Resp: 19553

Ion Ratio Lower Upper

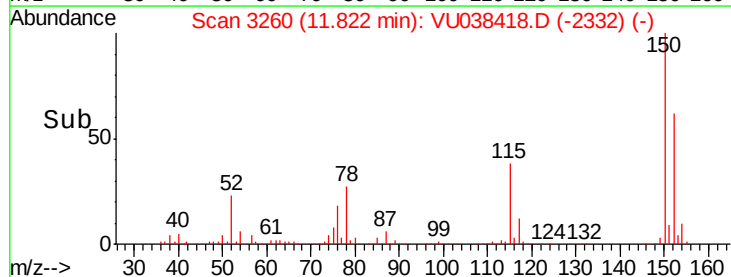
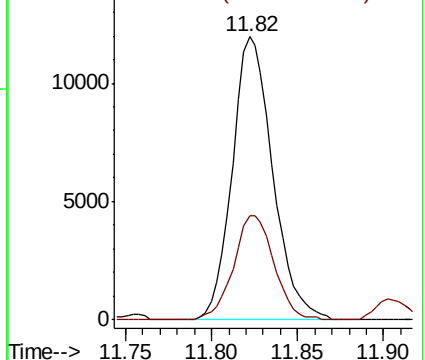
75 100

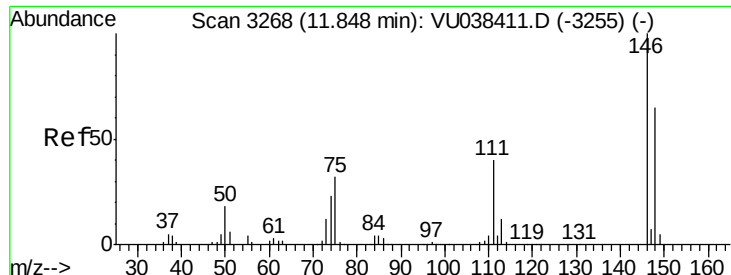
77 36.8 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU





#63

1,4-Dichlorobenzene

Concen: 0.071 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. 0.00 min

Lab File: VU038418.D

Acq: 30 May 2020 17:10

Instrument :

MSVOA_U

ClientSampleId :

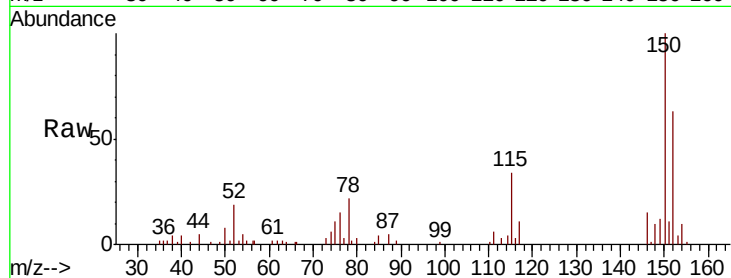
Tot Ion:146 Resp: 3166

Ion Ratio Lower Upper

146 100

111 40.2 27.6 51.2

148 62.7 44.8 83.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

