

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052620\
 Data File : VU038295.D
 Acq On : 26 May 2020 14:08
 Operator : JC/MD
 Sample : L2724-14DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 27 06:54:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 27 06:51:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	340864	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	326280	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	158566	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	87032	2.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	55.80%
7) Chloroethane-d5	1.93	69	84363	3.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	62.60%#
11) 1,1-Dichloroethene-d2	2.59	63	136472	2.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.40%#
20) 2-Butanone-d5	4.66	46	348514	45.31	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.62%
24) Chloroform-d	5.10	84	198790	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
26) 1,2-Dichloroethane-d4	5.74	65	118043	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	5.76	84	412957	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.40%
36) 1,2-Dichloropropane-d6	6.72	67	134255	4.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.00%
41) Toluene-d8	7.92	98	361473	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.20%
43) trans-1,3-Dichloropropene-	8.20	79	52810	4.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.60%
46) 2-Hexanone-d5	8.65	63	280901	47.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.12%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	110880	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	146385	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	5171	0.228	ug/L	94
16) Methylene chloride	3.08	84	3221	0.117	ug/L	90
27) 1,2-Dichloroethane	5.81	62	8128	0.245	ug/L #	73
30) Cyclohexane	5.42	56	5362	0.121	ug/L	98
33) Benzene	5.81	78	961205	9.199	ug/L	100
35) Methylcyclohexane	6.79	83	4645	0.110	ug/L	97
37) 1,2-Dichloropropane	6.72	63	14455	0.509	ug/L #	89
39) cis-1,3-Dichloropropene	7.59	75	3766	0.093	ug/L #	73
48) 2-Hexanone	8.71	43	16180	1.123	ug/L #	87
51) Chlorobenzene	9.47	112	116154	1.697	ug/L	97
53) m,p-Xylene	9.71	106	24425	0.533	ug/L	95
54) o-Xylene	10.11	106	3947	0.089	ug/L	88
56) Isopropylbenzene	10.50	105	117278	1.031	ug/L	99
59) 1,2,3-Trichloropropane	11.83	75	25388	1.333	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	14129	0.270	ug/L	95
65) 1,2-Dichlorobenzene	12.22	146	21946	0.442	ug/L	93
69) Naphthalene	14.11	128	17638	0.247	ug/L	97

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 27 06:51:51 2020
Response via : Initial Calibration

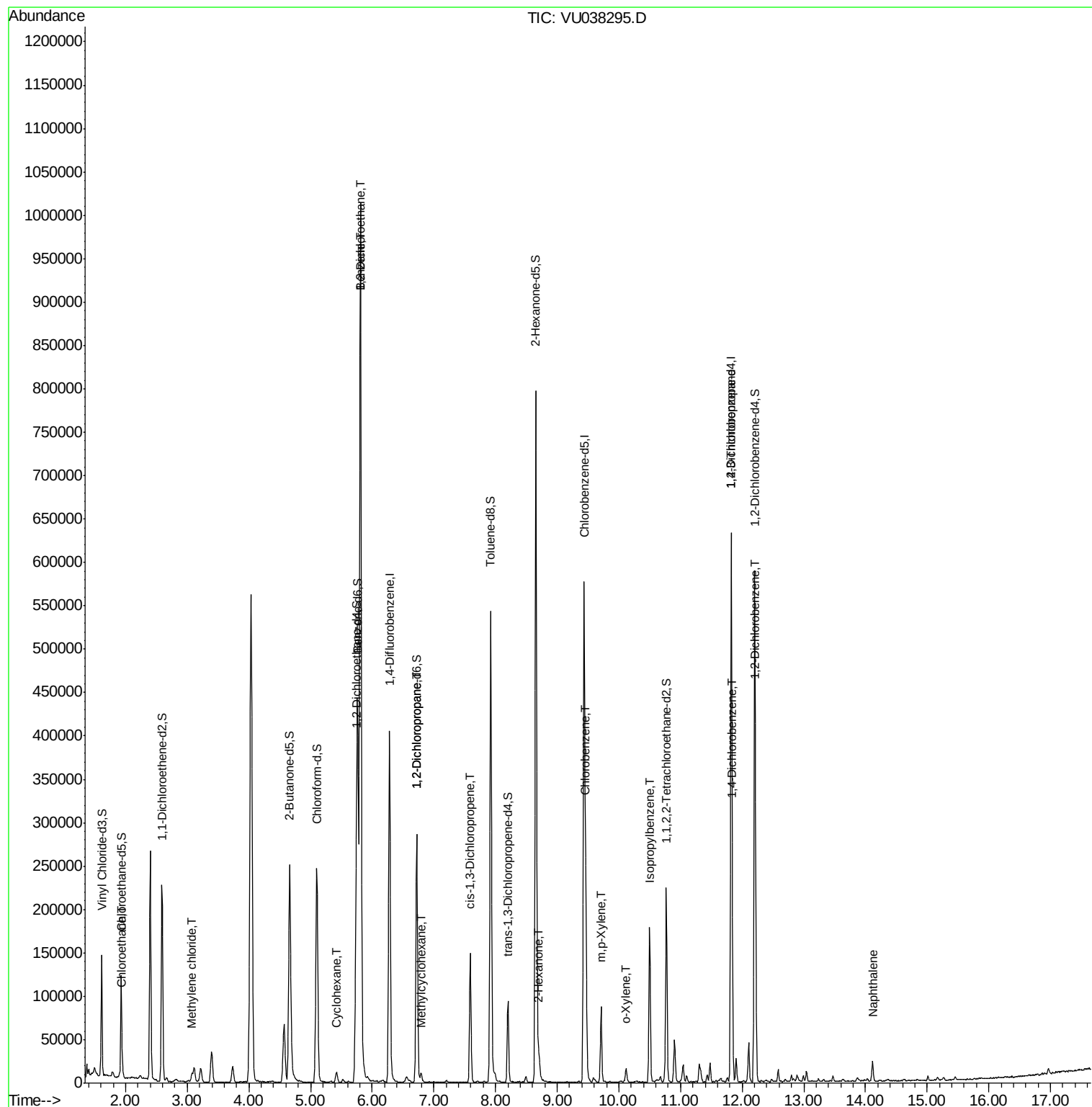
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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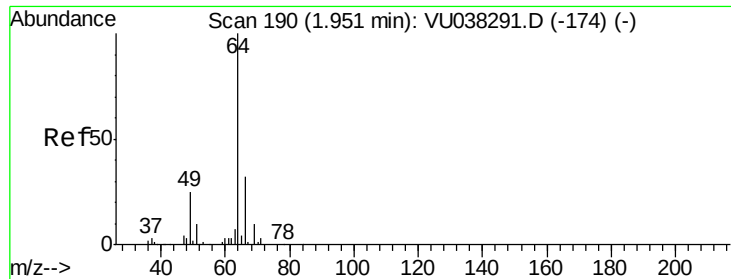
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.228 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU038295.D

Acq: 26 May 2020 14:08

Instrument :

MSVOA_U

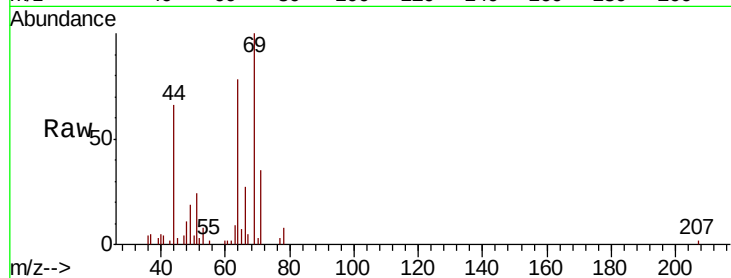
ClientSampleId :

Tot Ion: 64 Resp: 5171

Ion Ratio Lower Upper

64 100

66 34.5 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VU038295.D (-174) (-)

Ion 66.05 (65.75 to 66.75): VU038295.D (-174) (-)

1.95

4000

3000

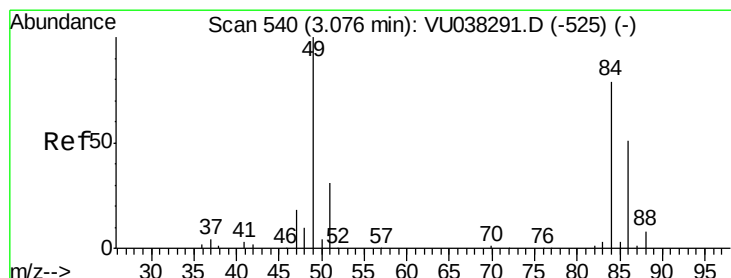
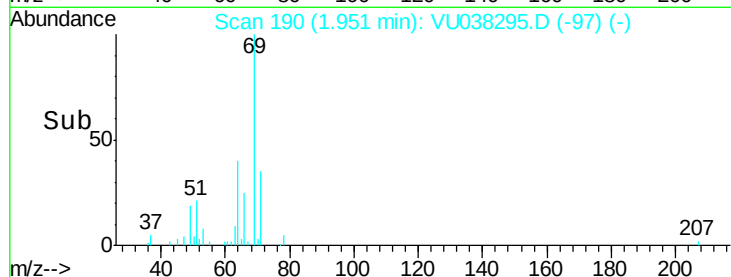
2000

1000

0

1.90 1.95 2.00

Time-->



#16

Methylene chloride

Concen: 0.117 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU038295.D

Acq: 26 May 2020 14:08

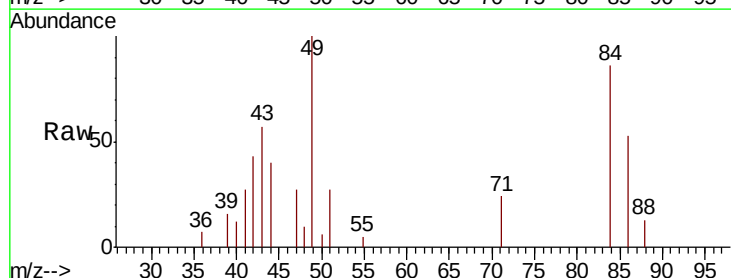
Tgt Ion: 84 Resp: 3221

Ion Ratio Lower Upper

84 100

86 62.0 44.9 83.3

49 116.0 92.0 170.9



Abundance Ion 84.05 (83.75 to 84.75): VU038295.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU038295.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU038295.D (-525) (-)

3000

2500

2000

1500

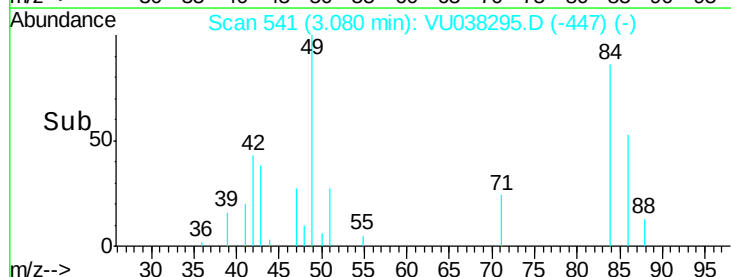
1000

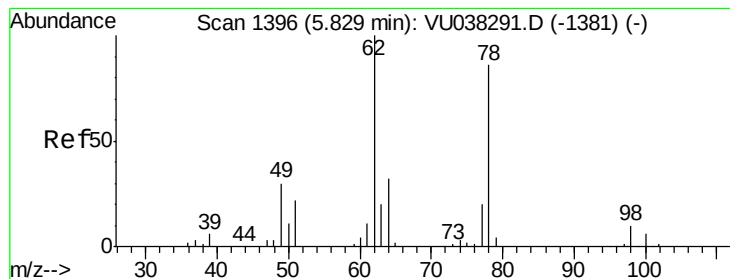
500

0

3.05 3.10

Time-->





#27

1,2-Dichloroethane

Concen: 0.245 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.02 min

Lab File: VU038295.D

Acq: 26 May 2020 14:08

Instrument :

MSVOA_U

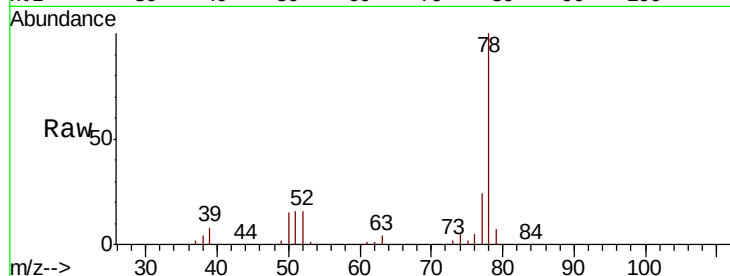
ClientSampleId :

Tot Ion: 62 Resp: 8128

Ion Ratio Lower Upper

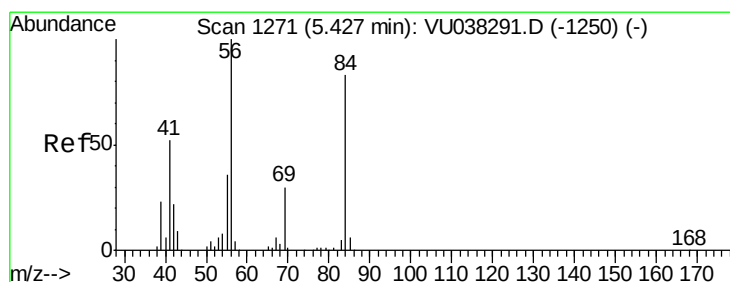
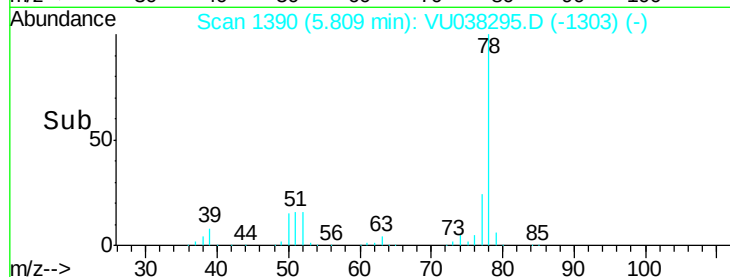
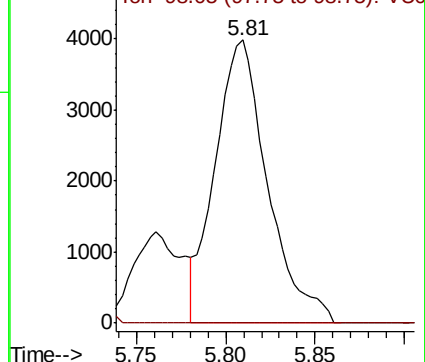
62 100

98 0.0 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



#30

Cyclohexane

Concen: 0.121 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU038295.D

Acq: 26 May 2020 14:08

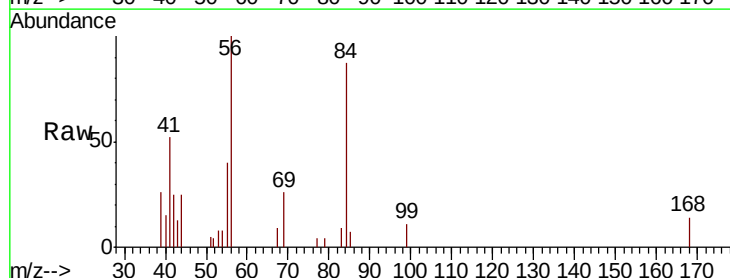
Tgt Ion: 56 Resp: 5362

Ion Ratio Lower Upper

56 100

69 27.7 24.2 36.4

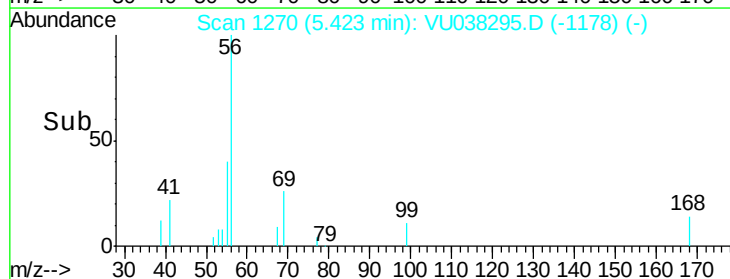
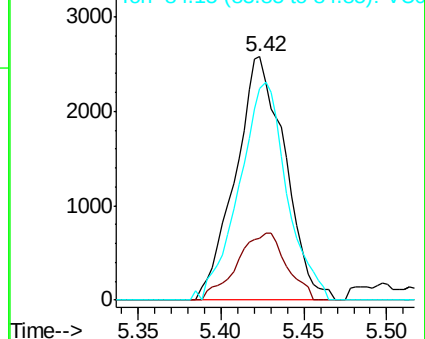
84 86.0 68.5 102.7

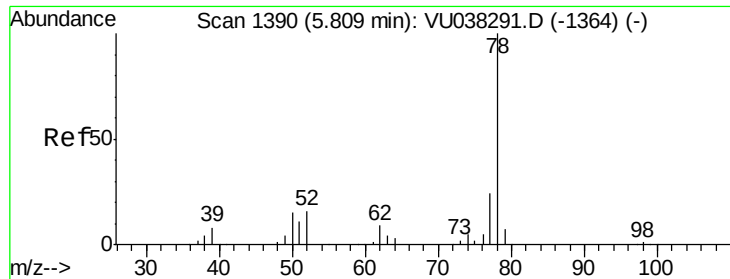


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0

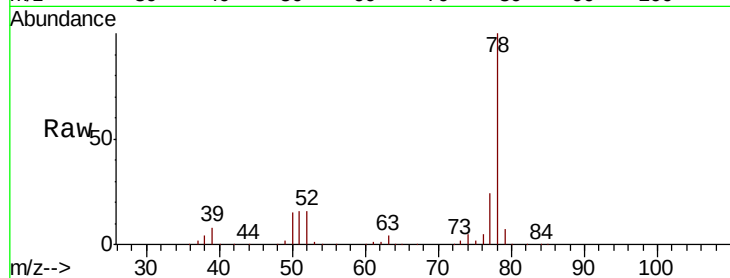




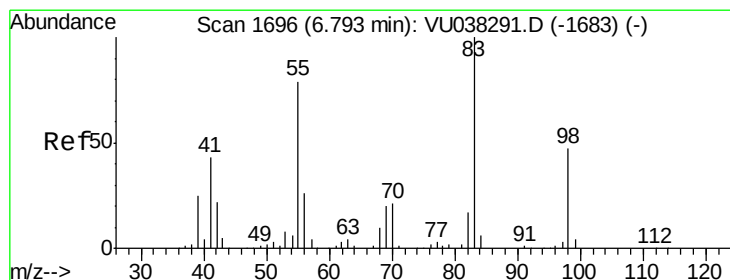
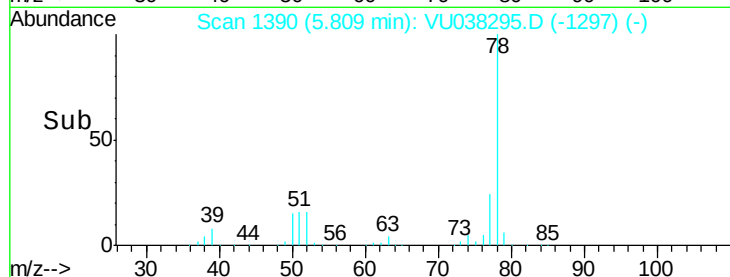
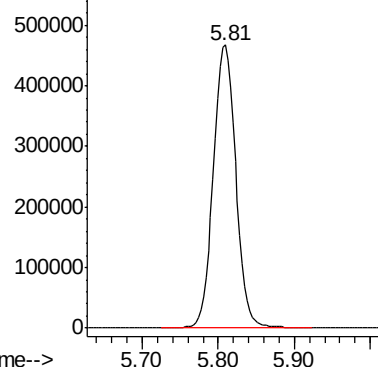
#33
Benzene
Concen: 9.199 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU038295.D
Acq: 26 May 2020 14:08

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 78 Resp: 961205

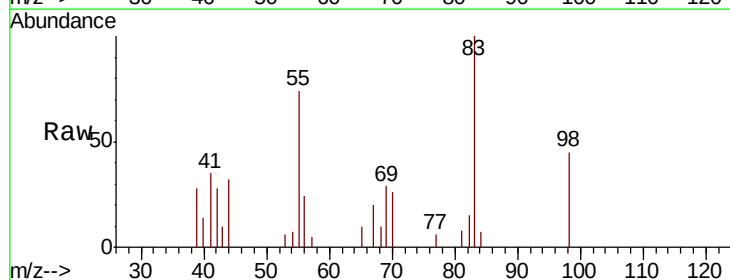


Abundance Ion 78.10 (77.80 to 78.80): VU0



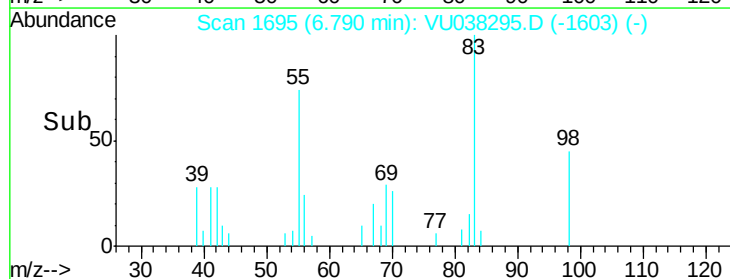
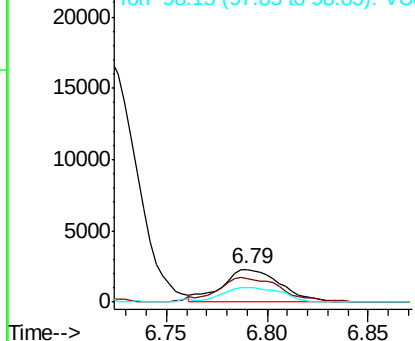
#35
Methylcyclohexane
Concen: 0.110 ug/L
RT: 6.79 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU038295.D
Acq: 26 May 2020 14:08

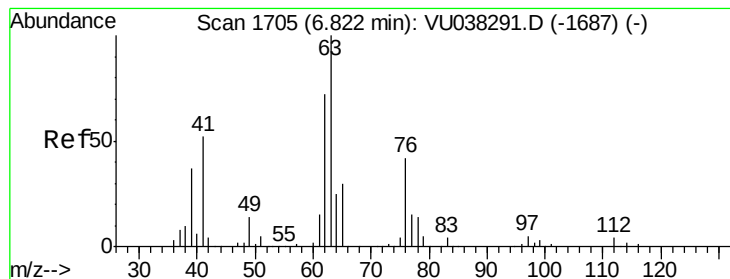
Tgt Ion: 83 Resp: 4645
Ion Ratio Lower Upper
83 100
55 83.3 66.7 100.1
98 44.0 39.4 59.2



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: 0.509 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.10 min

Lab File: VU038295.D

Acq: 26 May 2020 14:08

Instrument :

MSVOA_U

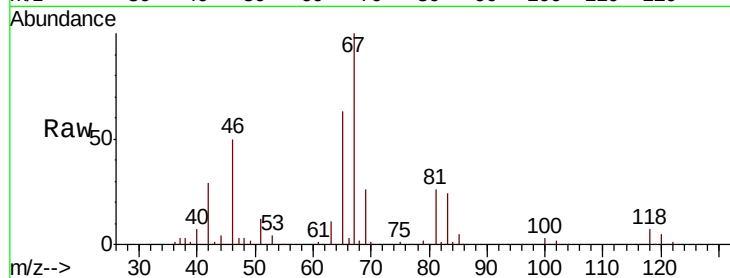
ClientSampleId :

Tot Ion: 63 Resp: 14455

Ion Ratio Lower Upper

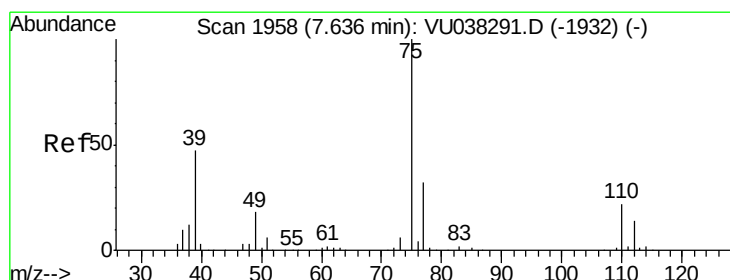
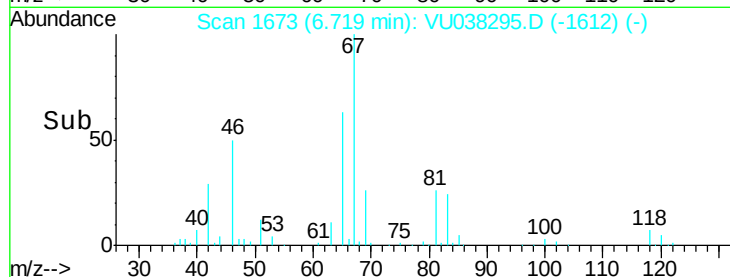
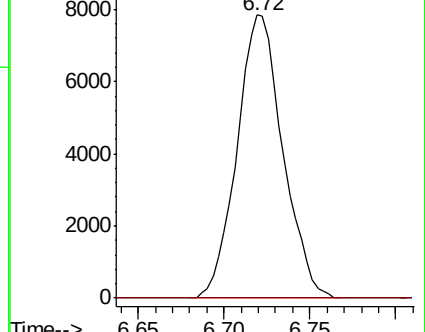
63 100

112 0.1 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU038295.D (-1673) (-)

Ion 112.10 (111.80 to 112.80): VU038295.D (-1673) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.59 min Scan# 1943

Delta R.T. -0.05 min

Lab File: VU038295.D

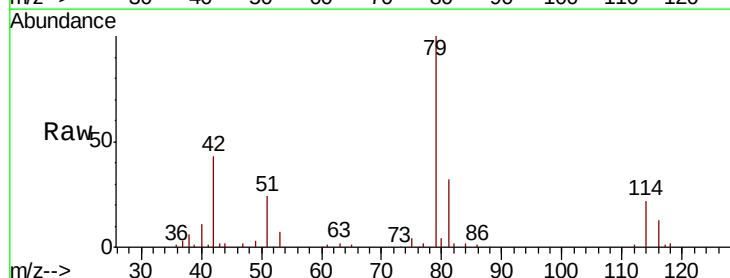
Acq: 26 May 2020 14:08

Tgt Ion: 75 Resp: 3766

Ion Ratio Lower Upper

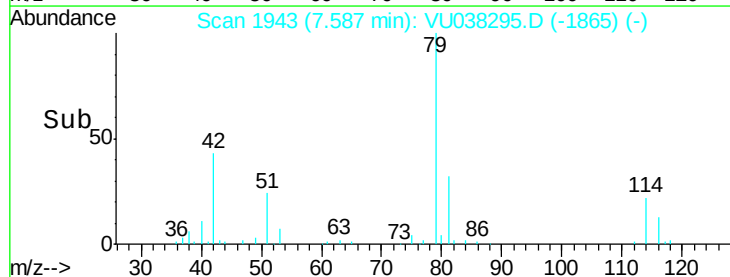
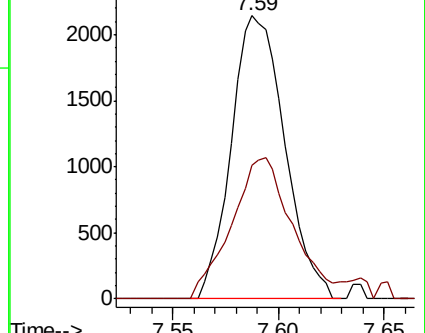
75 100

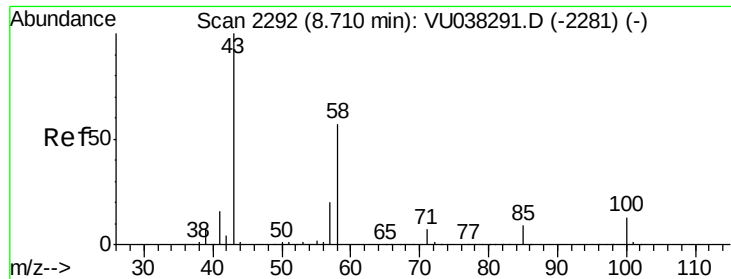
77 47.1 22.4 41.6#



Abundance Ion 75.05 (74.75 to 75.75): VU038295.D (-1865) (-)

Ion 77.05 (76.75 to 77.75): VU038295.D (-1865) (-)

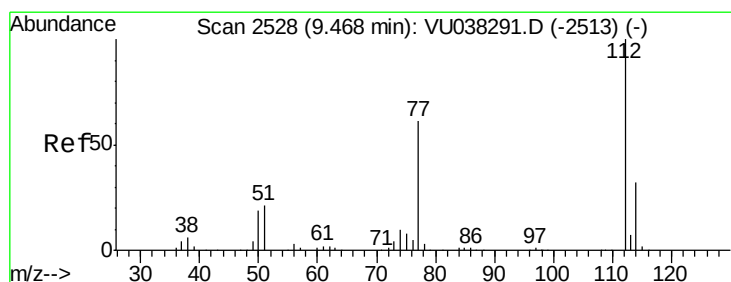
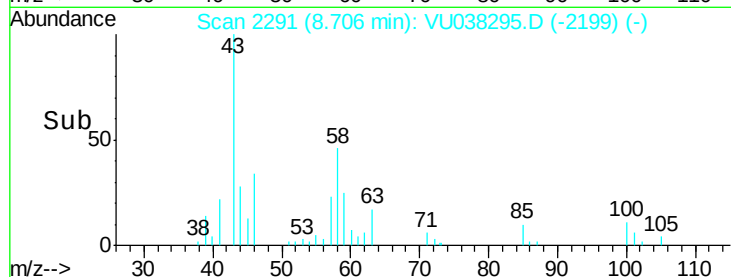
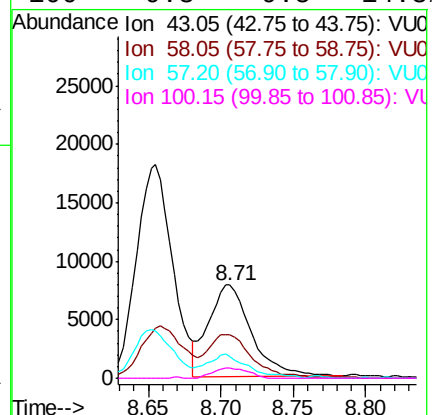
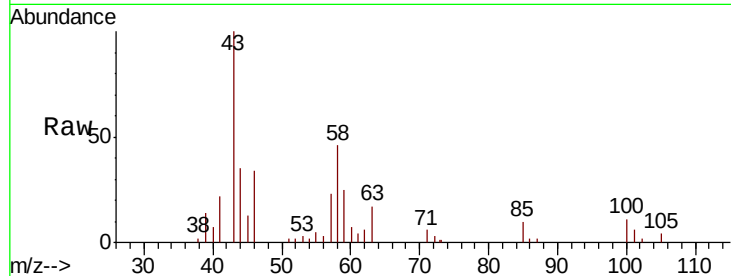




#48
2-Hexanone
Concen: 1.123 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038295.D
Acq: 26 May 2020 14:08

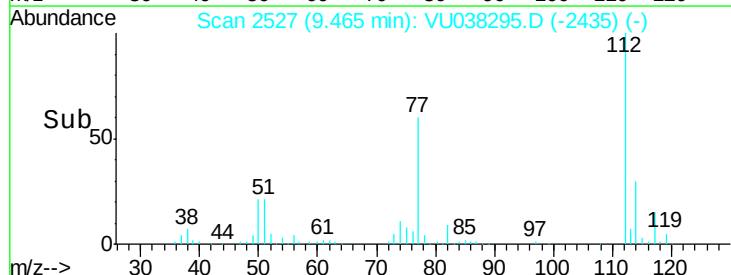
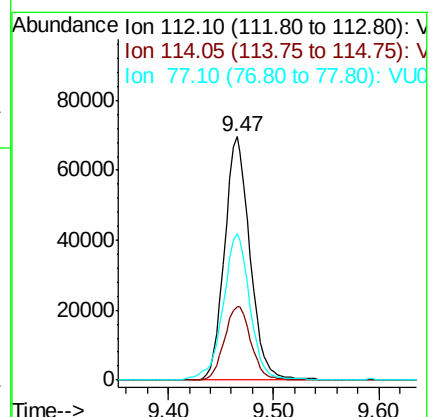
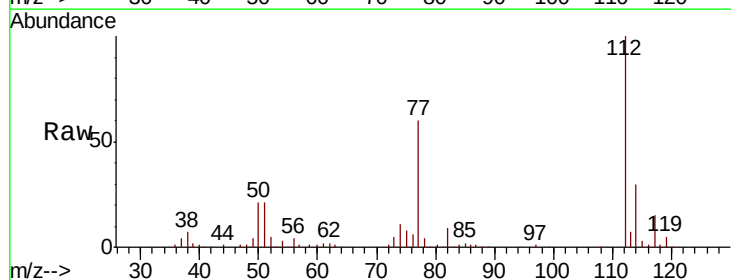
Instrument :
MSVOA_U
ClientSampled :

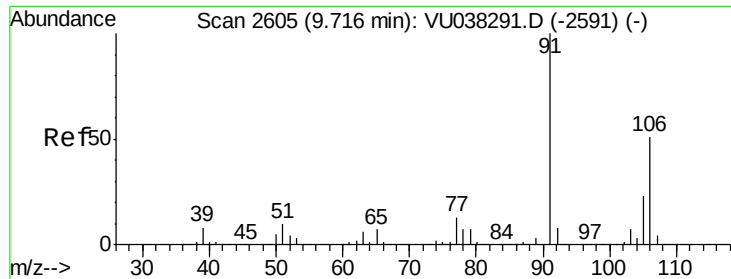
Tot Ion: 43 Resp: 16180
Ion Ratio Lower Upper
43 100
58 46.3 45.2 67.8
57 25.2 15.5 23.3#
100 9.3 9.5 14.3#



#51
Chlorobenzene
Concen: 1.697 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038295.D
Acq: 26 May 2020 14:08

Tgt Ion: 112 Resp: 116154
Ion Ratio Lower Upper
112 100
114 30.3 22.5 41.7
77 60.3 49.9 74.9

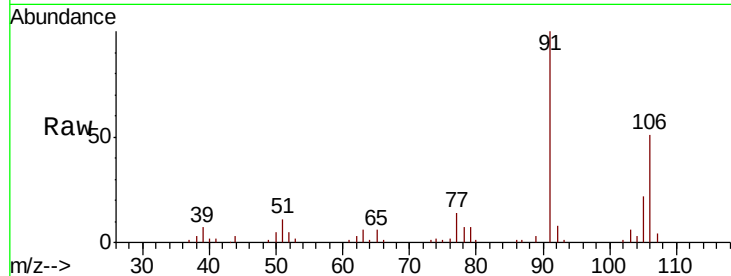




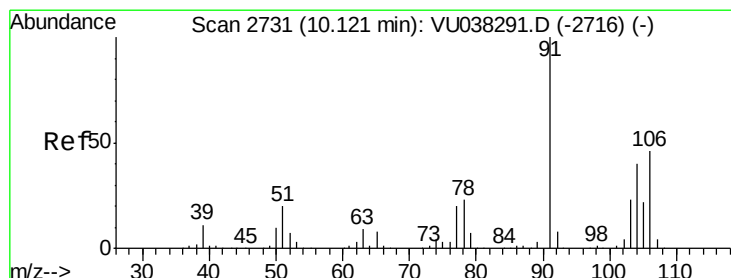
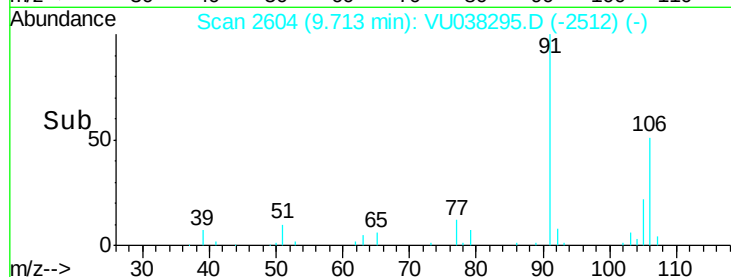
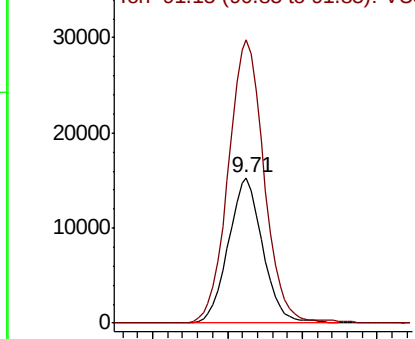
#53
m,p-Xylene
Concen: 0.533 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. -0.00 min
Lab File: VU038295.D
Acq: 26 May 2020 14:08

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 24425
Ion Ratio Lower Upper
106 100
91 195.0 142.1 263.9

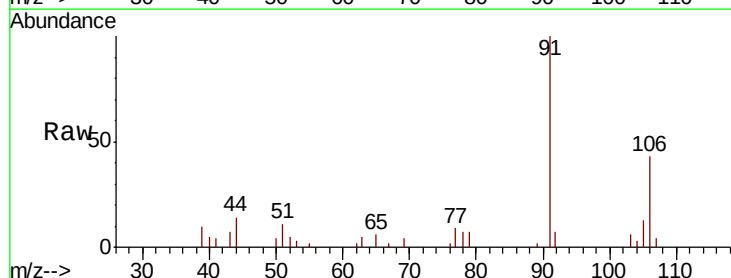


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

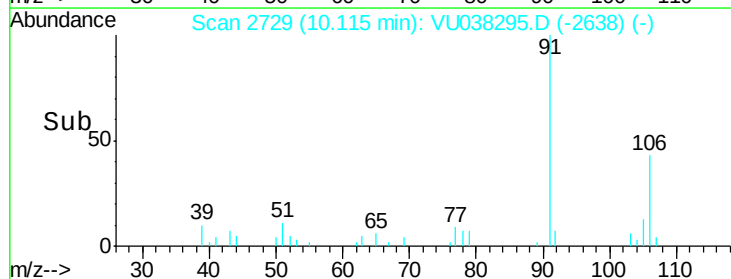
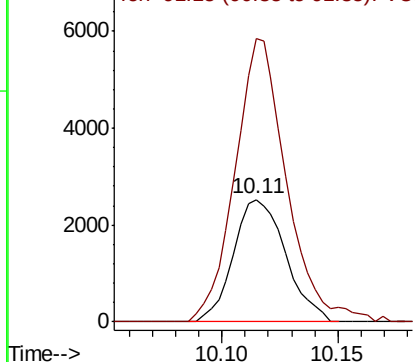


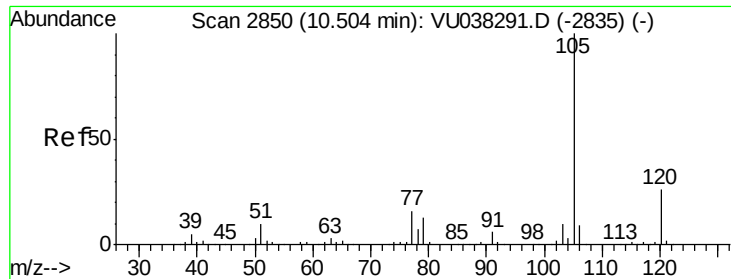
#54
o-Xylene
Concen: 0.089 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.01 min
Lab File: VU038295.D
Acq: 26 May 2020 14:08

Tgt Ion:106 Resp: 3947
Ion Ratio Lower Upper
106 100
91 231.8 148.5 275.9



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





#56

Isopropylbenzene

Concen: 1.031 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038295.D

Acq: 26 May 2020 14:08

Instrument :

MSVOA_U

ClientSampled :

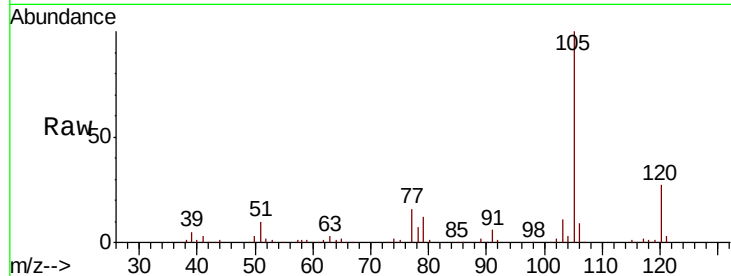
Tot Ion:105 Resp: 117278

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.6

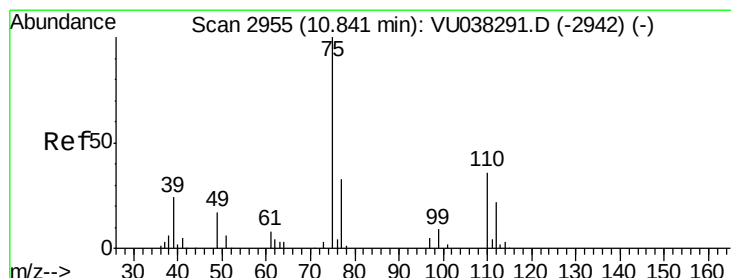
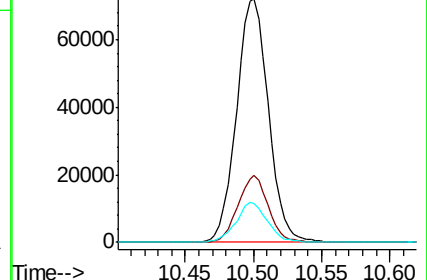
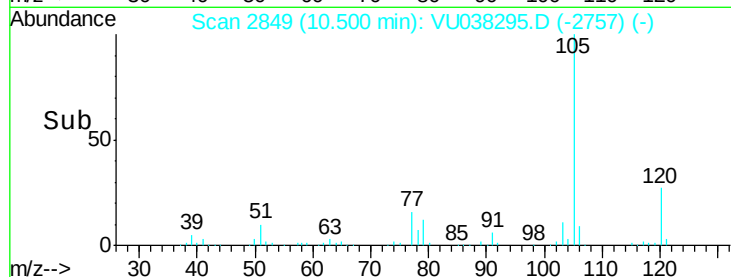
77 16.0 13.0 19.4



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): V



#59

1,2,3-Trichloropropane

Concen: 1.333 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU038295.D

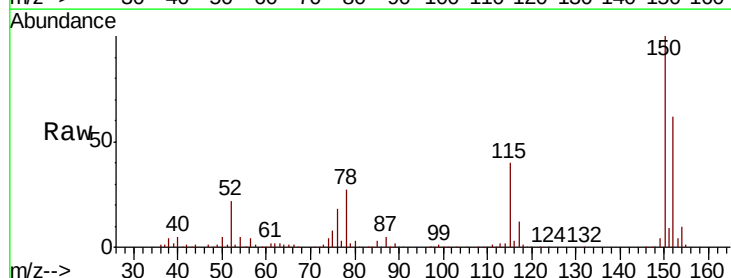
Acq: 26 May 2020 14:08

Tgt Ion: 75 Resp: 25388

Ion Ratio Lower Upper

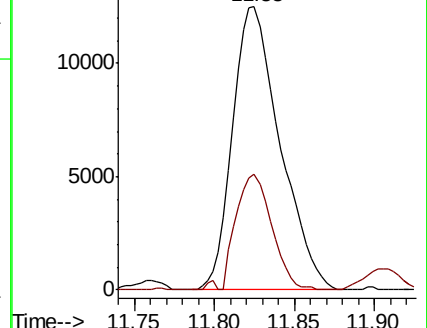
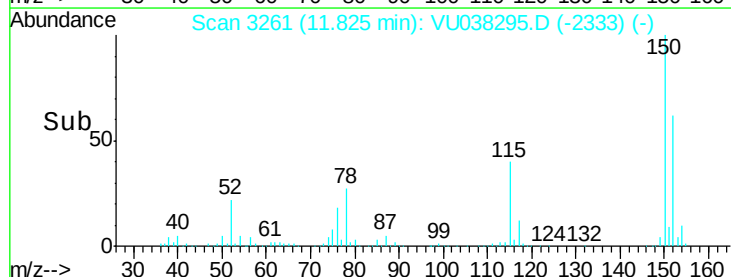
75 100

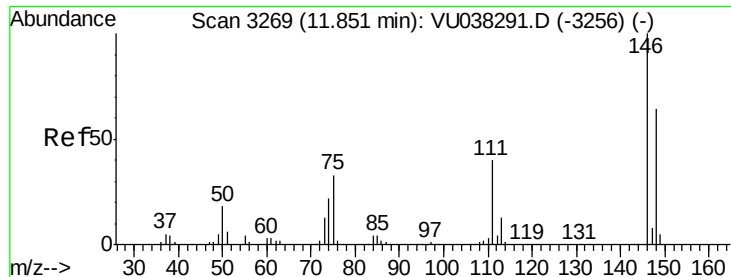
77 30.5 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V





#63

1,4-Dichlorobenzene

Concen: 0.270 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038295.D

Acq: 26 May 2020 14:08

Instrument :

MSVOA_U

ClientSampled :

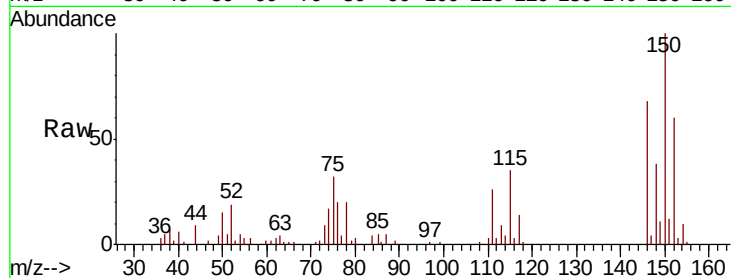
Tot Ion:146 Resp: 14129

Ion Ratio Lower Upper

146 100

111 38.5 27.2 50.6

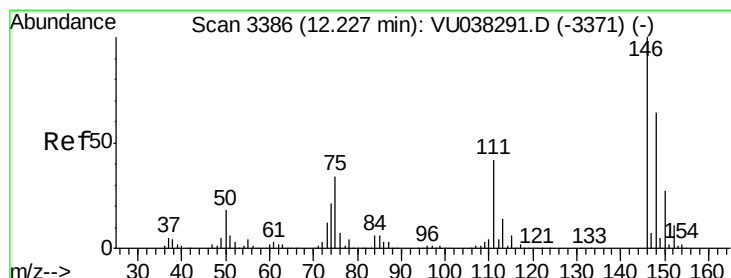
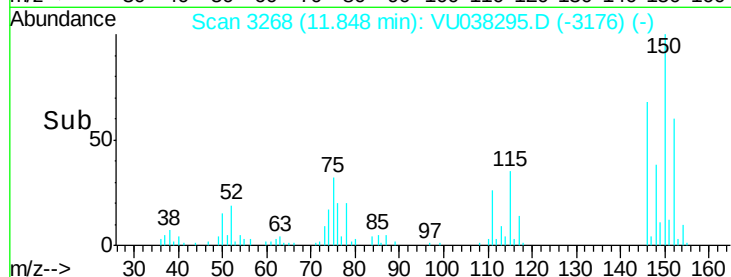
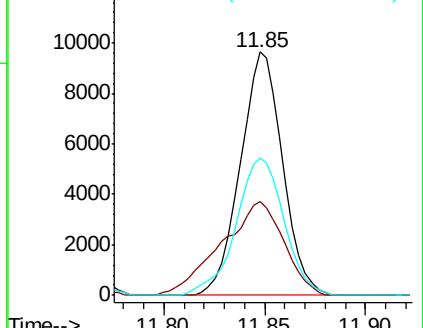
148 56.2 43.8 81.3



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



#65

1,2-Dichlorobenzene

Concen: 0.442 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038295.D

Acq: 26 May 2020 14:08

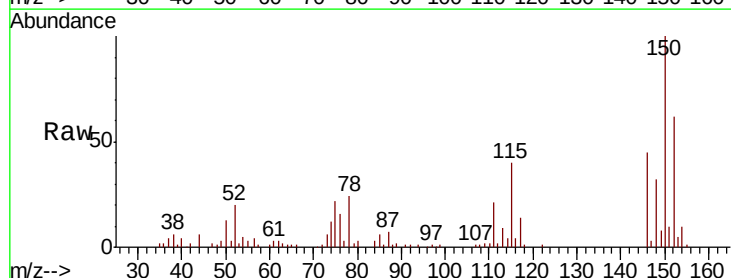
Tgt Ion:146 Resp: 21946

Ion Ratio Lower Upper

146 100

111 47.2 35.3 52.9

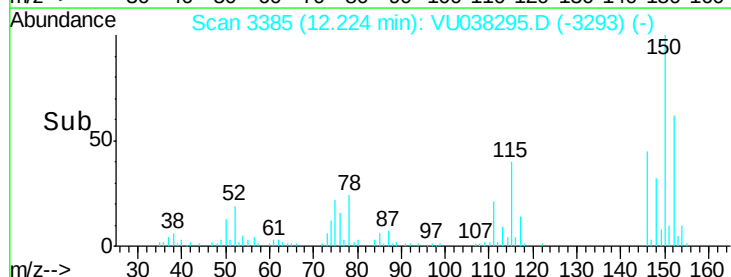
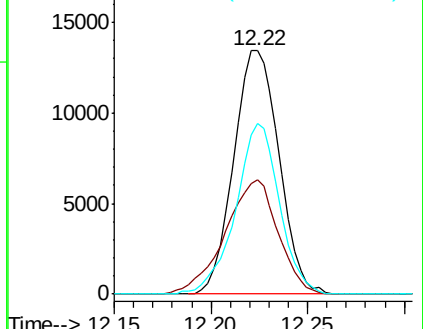
148 70.0 51.0 76.4

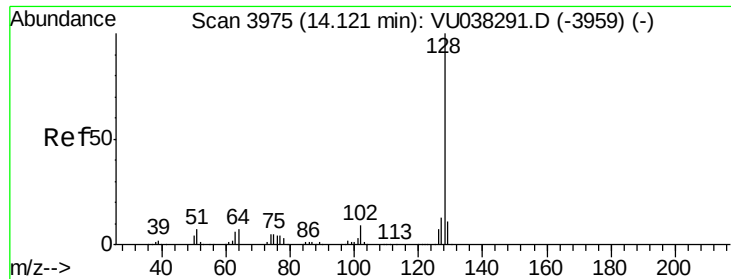


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#69

Naphthalene

Concen: 0.247 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

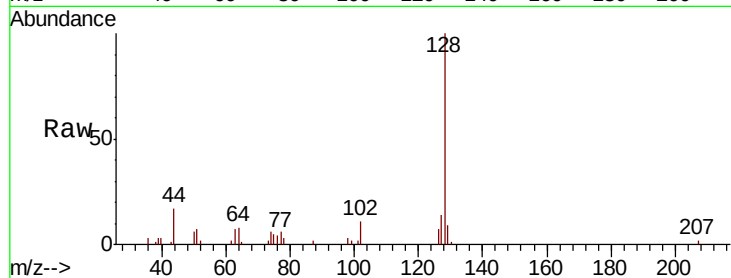
Lab File: VU038295.D

Acq: 26 May 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :



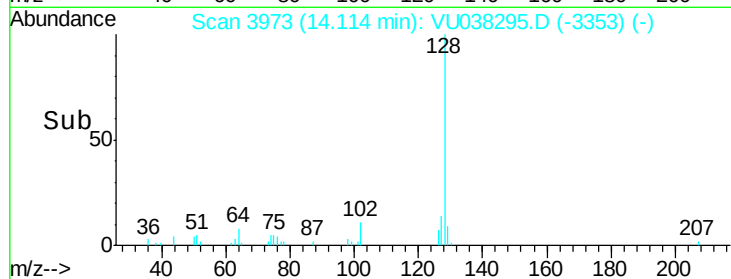
Tot Ion:128 Resp: 17638

Ion Ratio Lower Upper

128 100

129 8.9 8.7 13.1

127 12.4 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

