

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052620\
 Data File : VU038293.D
 Acq On : 26 May 2020 13:22
 Operator : JC/MD
 Sample : L2724-13DL 50X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 27 06:53:44 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	352648	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	339675	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	166677	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	88877	2.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	55.20%
7) Chloroethane-d5	1.93	69	84309	3.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	60.40%#
11) 1,1-Dichloroethene-d2	2.59	63	138856	2.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.40%#
20) 2-Butanone-d5	4.67	46	365545	45.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.86%
24) Chloroform-d	5.10	84	200835	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.00%
26) 1,2-Dichloroethane-d4	5.74	65	120122	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
32) Benzene-d6	5.76	84	414907	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.40%
36) 1,2-Dichloropropane-d6	6.72	67	131019	3.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.80%
41) Toluene-d8	7.93	98	355001	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.60%
43) trans-1,3-Dichloropropene-	8.20	79	51206	3.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.80%
46) 2-Hexanone-d5	8.66	63	292292	47.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.08%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	113741	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	144127	4.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.80%

Target Compounds

					Ovalue
8) Chloroethane	1.95	64	3728	0.159 ug/L	89
16) Methylene chloride	3.08	84	2001	0.070 ug/L	92
30) Cyclohexane	5.42	56	5424	0.118 ug/L	97
33) Benzene	5.81	78	190227	1.749 ug/L	100
35) Methylcyclohexane	6.79	83	4136	0.094 ug/L	94
37) 1,2-Dichloropropane	6.72	63	13728	0.465 ug/L #	90
39) cis-1,3-Dichloropropene	7.59	75	3546	0.084 ug/L #	66
42) Toluene	8.00	91	29038	0.253 ug/L	99
48) 2-Hexanone	8.71	43	17337	1.156 ug/L #	97
51) Chlorobenzene	9.47	112	690119	9.685 ug/L	99
52) Ethylbenzene	9.59	91	63512	0.511 ug/L	100
53) m,p-Xylene	9.72	106	9247	0.194 ug/L	83
54) o-Xylene	10.12	106	12963	0.281 ug/L	92
56) Isopropylbenzene	10.50	105	58437	0.493 ug/L	98
59) 1,2,3-Trichloropropane	11.83	75	29138	1.469 ug/L #	43
62) 1,3-Dichlorobenzene	11.76	146	5675	0.105 ug/L	94
63) 1,4-Dichlorobenzene	11.85	146	23683	0.431 ug/L	99

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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

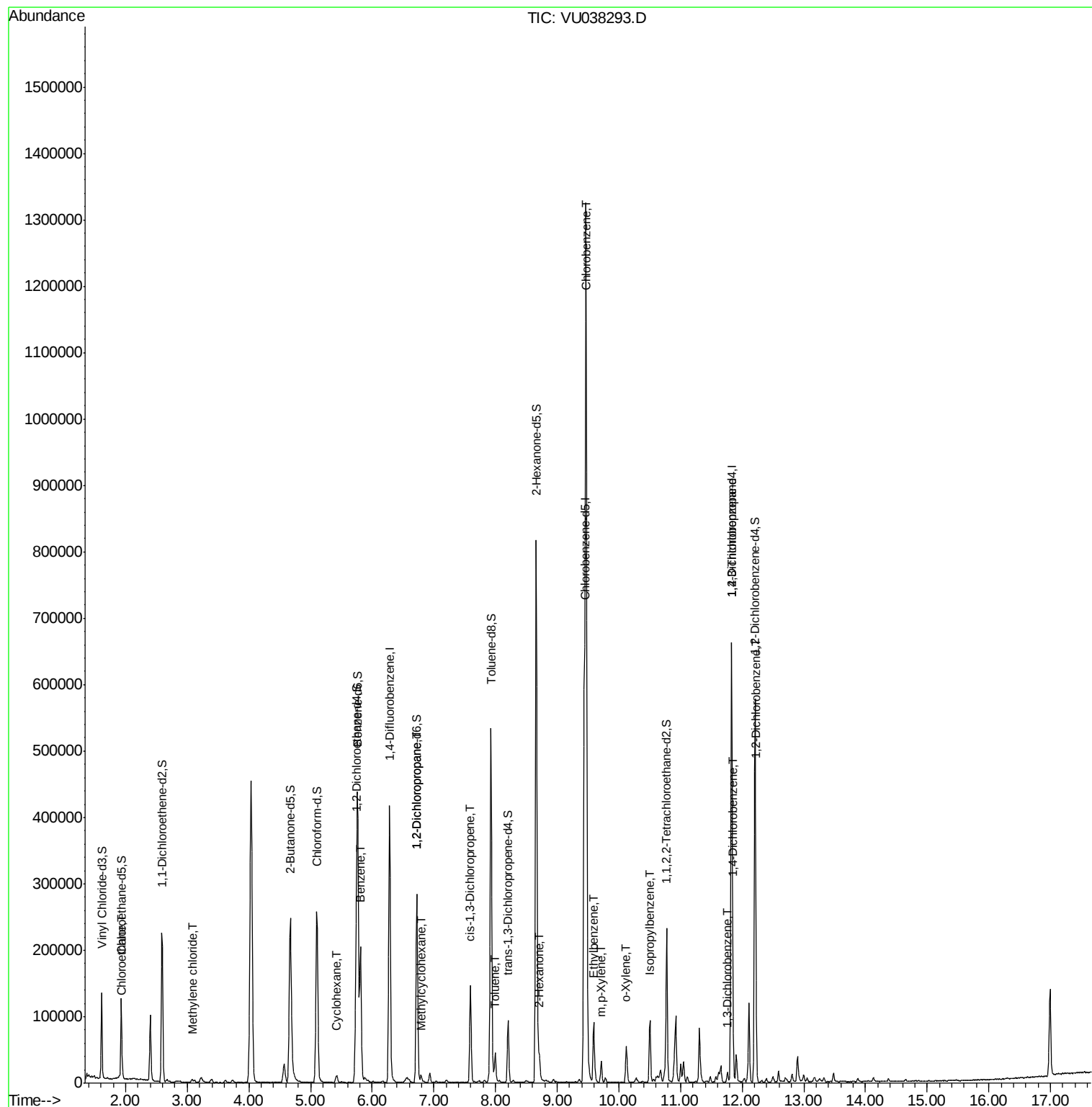
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,2-Dichlorobenzene	12.23	146	10635	0.204	ug/L	97

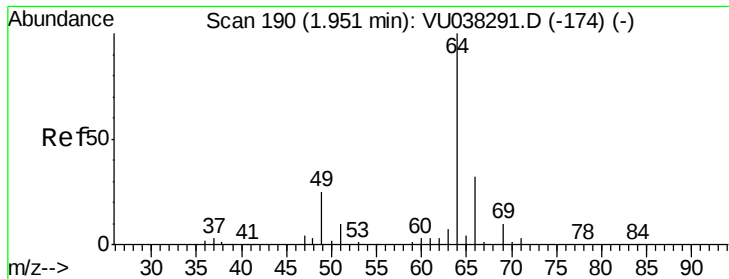
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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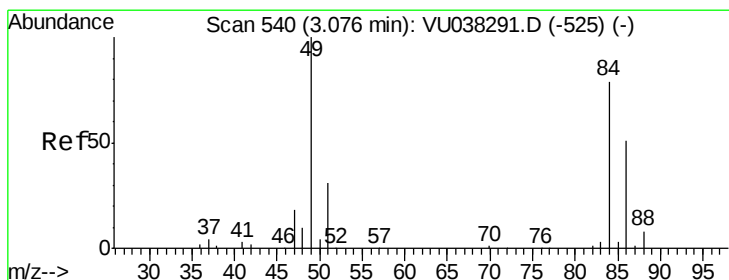
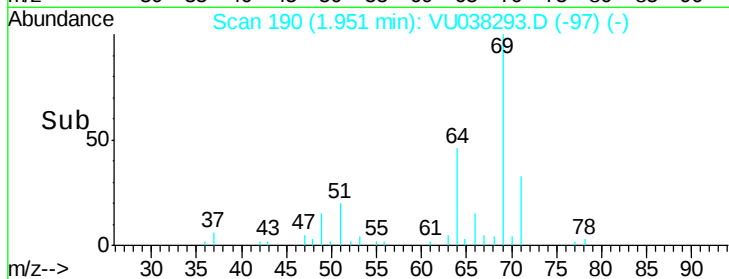
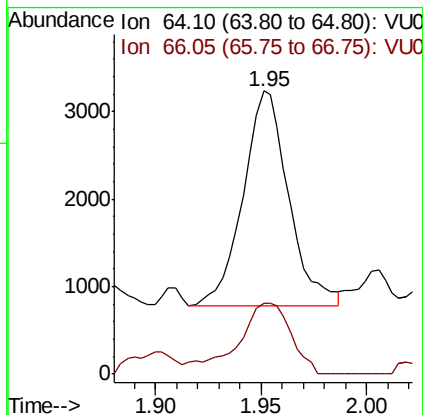
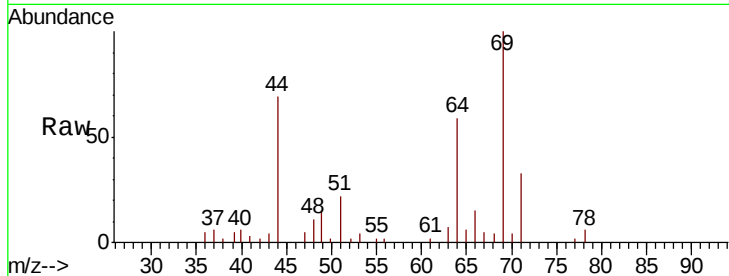




#8
Chloroethane
Concen: 0.159 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU038293.D
Acq: 26 May 2020 13:22

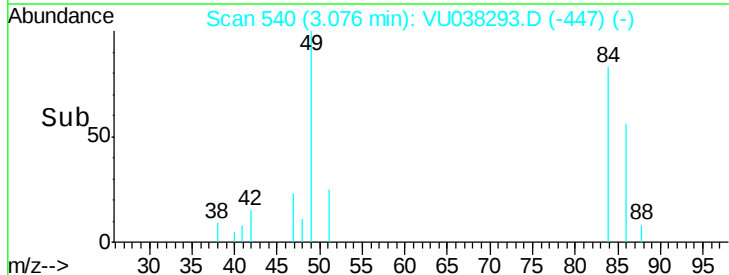
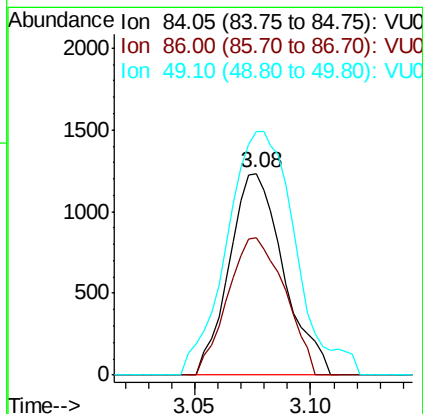
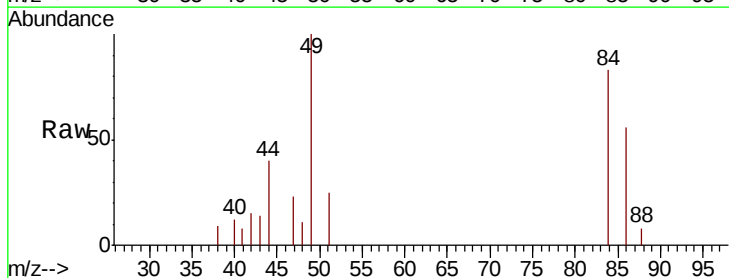
Instrument :
MSVOA_U
ClientSampled :

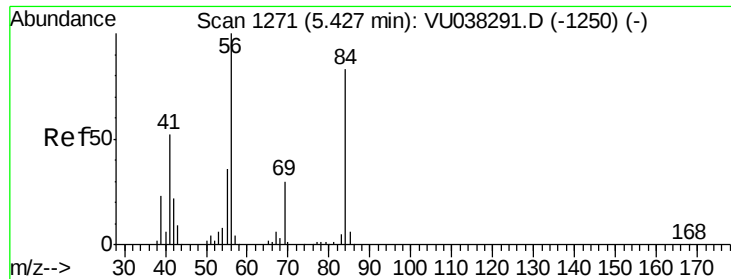
Tot Ion: 64 Resp: 3728
Ion Ratio Lower Upper
64 100
66 24.9 21.8 40.4



#16
Methylene chloride
Concen: 0.070 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038293.D
Acq: 26 May 2020 13:22

Tgt Ion: 84 Resp: 2001
Ion Ratio Lower Upper
84 100
86 67.9 44.9 83.3
49 120.8 92.0 170.9

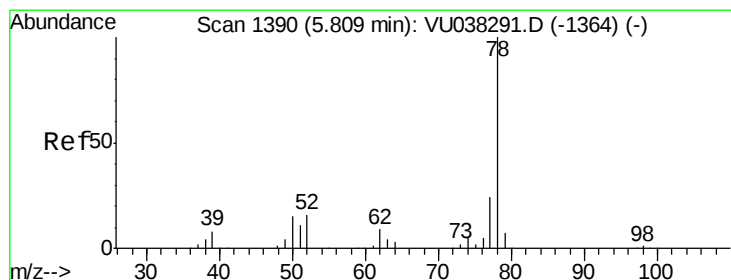
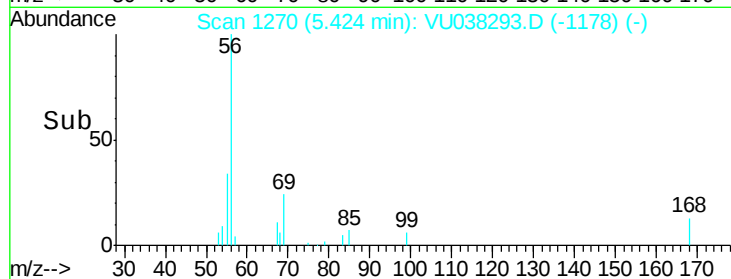
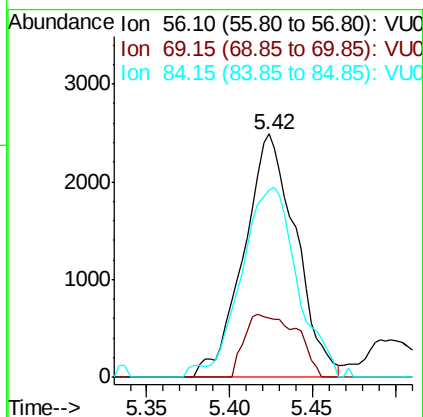
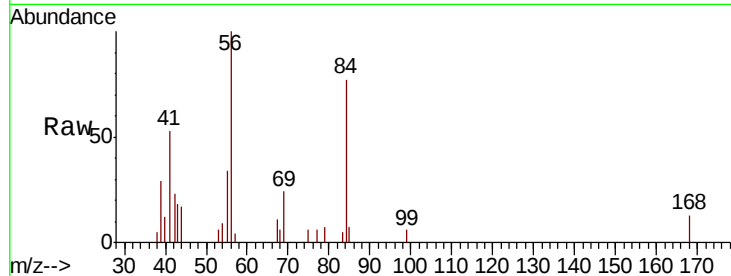




#30
Cyclohexane
Concen: 0.118 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU038293.D
Acq: 26 May 2020 13:22

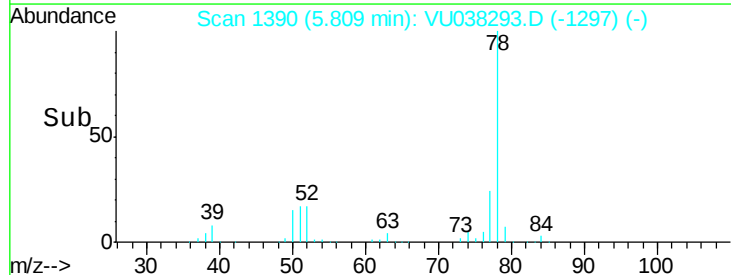
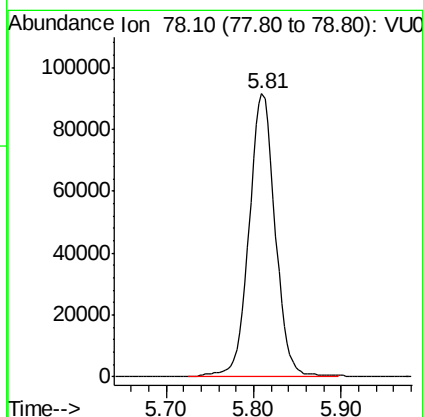
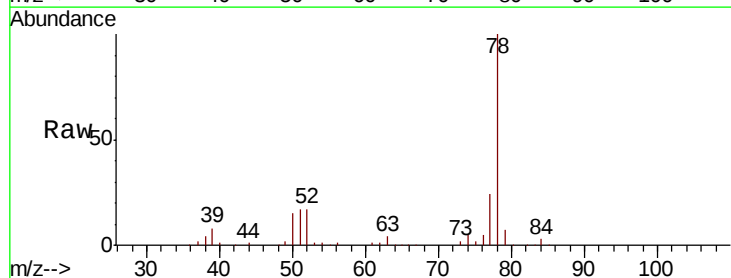
Instrument :
MSVOA_U
ClientSampleId :

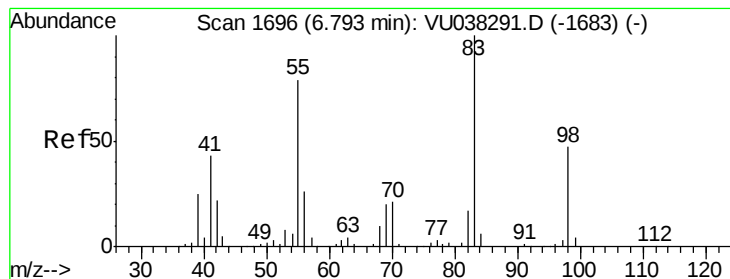
Tot Ion: 56 Resp: 5424
Ion Ratio Lower Upper
56 100
69 26.1 24.2 36.4
84 84.2 68.5 102.7



#33
Benzene
Concen: 1.749 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU038293.D
Acq: 26 May 2020 13:22

Tgt Ion: 78 Resp: 190227





#35

Methvlcvclohexane

Concen: 0.094 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU038293.D

Acq: 26 May 2020 13:22

Instrument :

MSVOA_U

ClientSampleId :

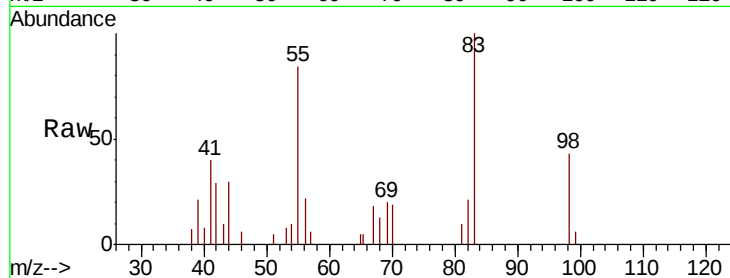
Tot Ion: 83 Resp: 4136

Ion Ratio Lower Upper

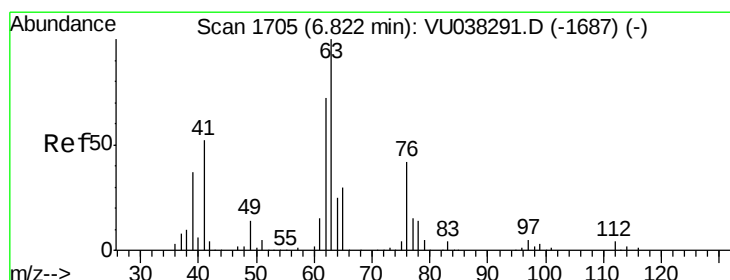
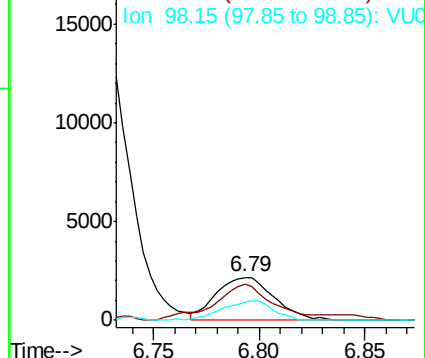
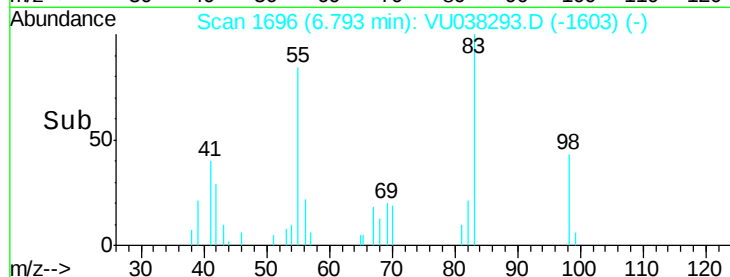
83 100

55 84.8 66.7 100.1

98 39.9 39.4 59.2



Abundance Ion 83.15 (82.85 to 83.85): VU038293.D (-1603) (-)



#37

1,2-Dichloropropane

Concen: 0.465 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU038293.D

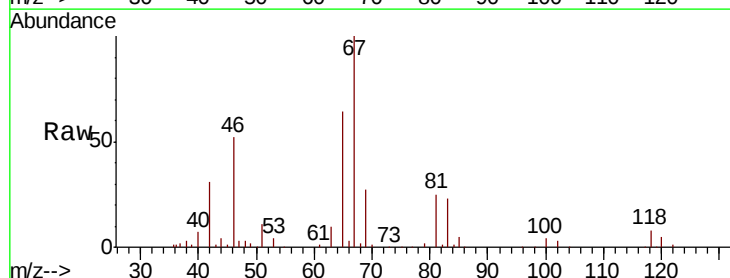
Acq: 26 May 2020 13:22

Tgt Ion: 63 Resp: 13728

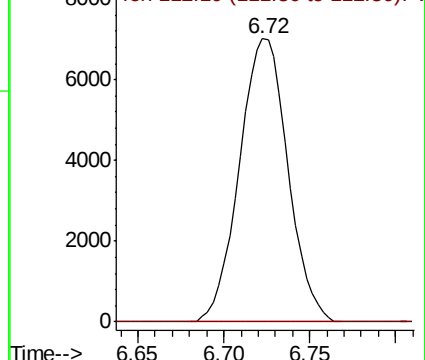
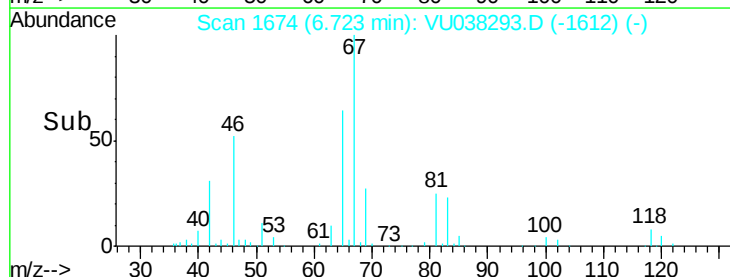
Ion Ratio Lower Upper

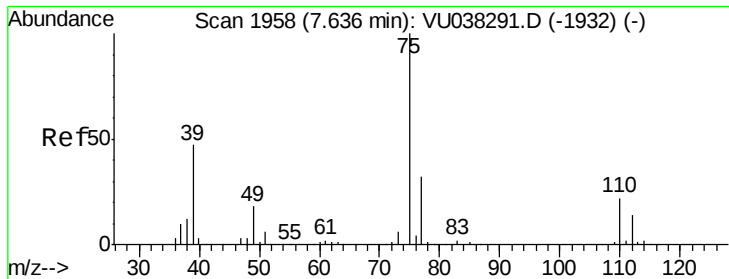
63 100

112 0.7 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU038293.D (-1612) (-)

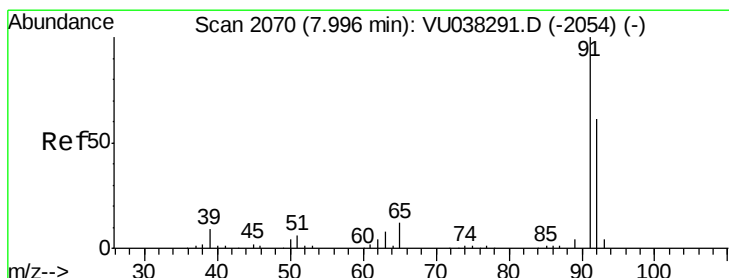
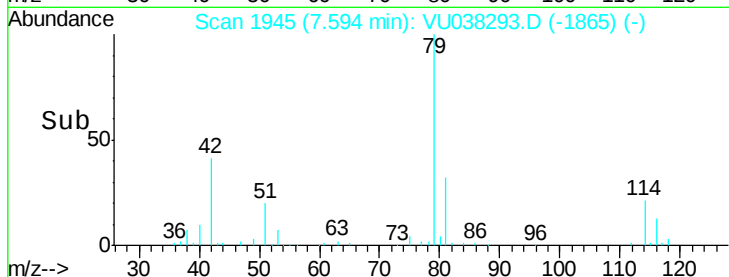
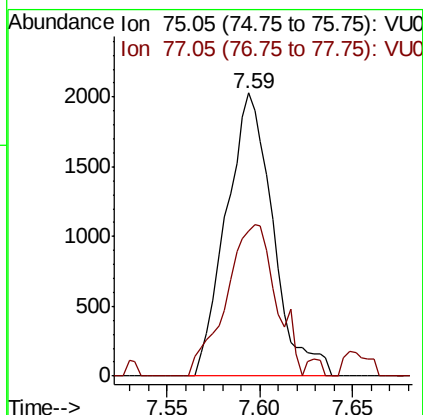
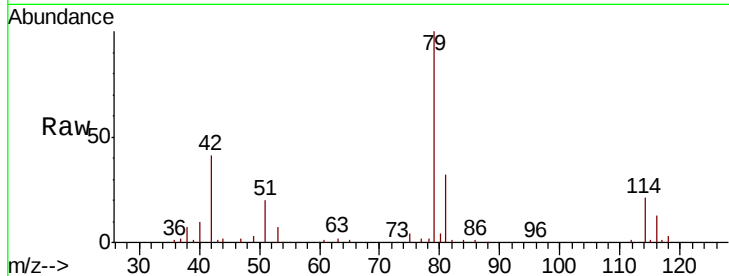




#39
 cis-1,3-Dichloropropene
 Concen: 0.084 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU038293.D
 Acq: 26 May 2020 13:22

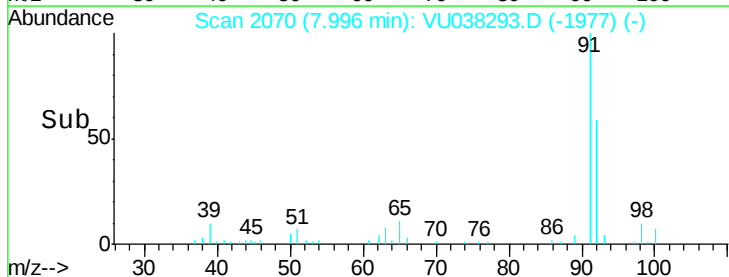
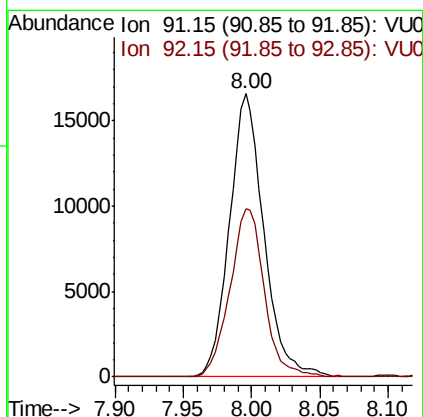
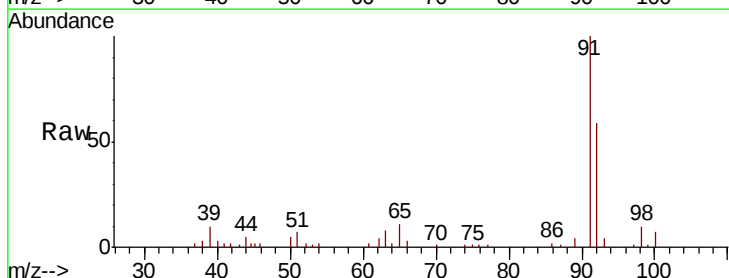
Instrument :
 MSVOA_U
 ClientSampleId :

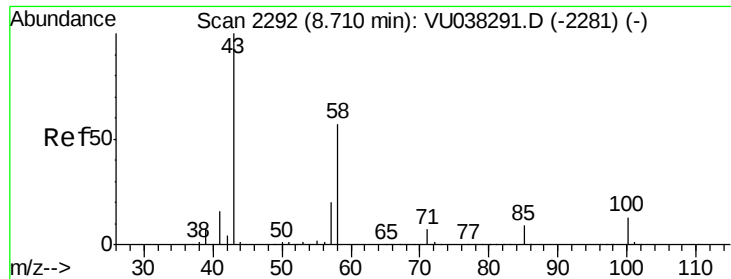
Tot Ion: 75 Resp: 3546
 Ion Ratio Lower Upper
 75 100
 77 51.1 22.4 41.6#



#42
 Toluene
 Concen: 0.253 ug/L
 RT: 8.00 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VU038293.D
 Acq: 26 May 2020 13:22

Tgt Ion: 91 Resp: 29038
 Ion Ratio Lower Upper
 91 100
 92 59.4 40.9 75.9

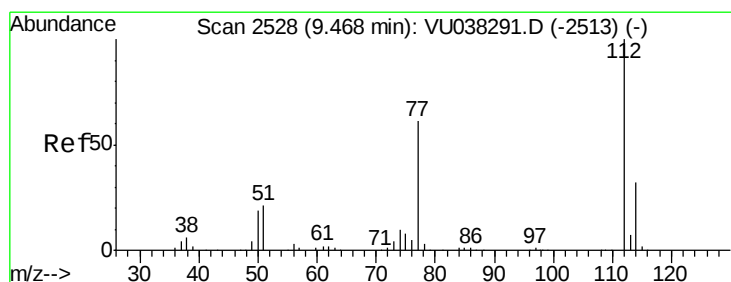
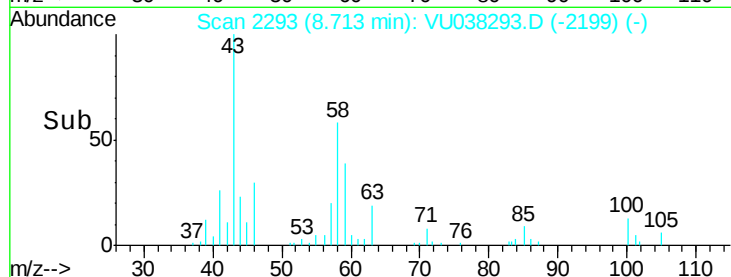
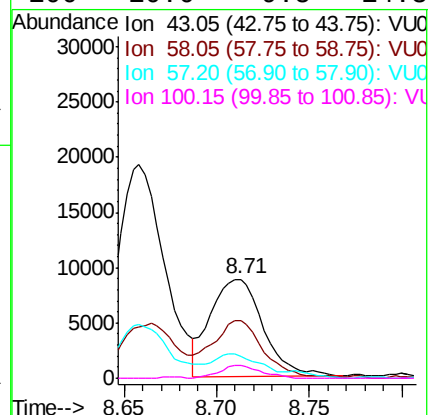
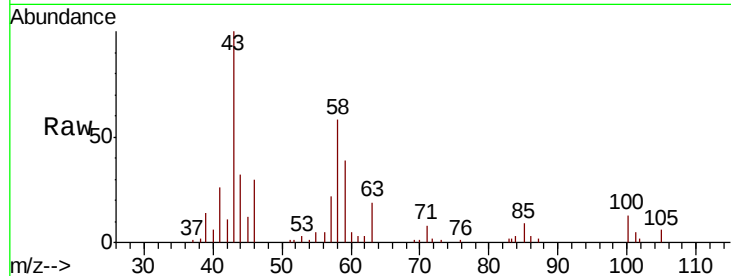




#48
2-Hexanone
Concen: 1.156 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VU038293.D
Acq: 26 May 2020 13:22

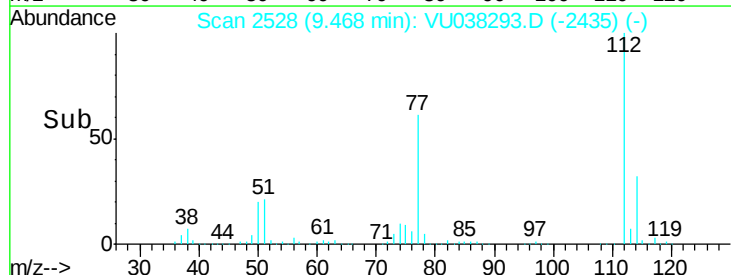
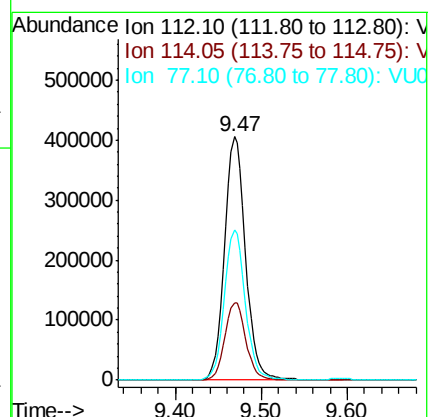
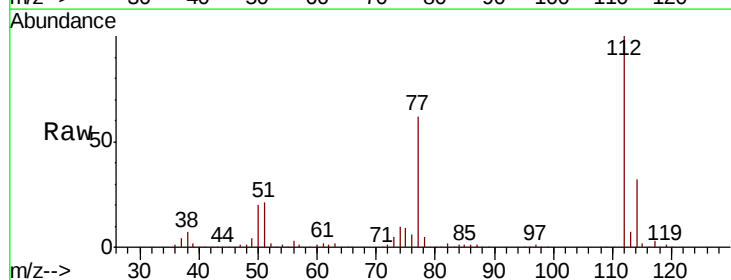
Instrument :
MSVOA_U
ClientSampled :

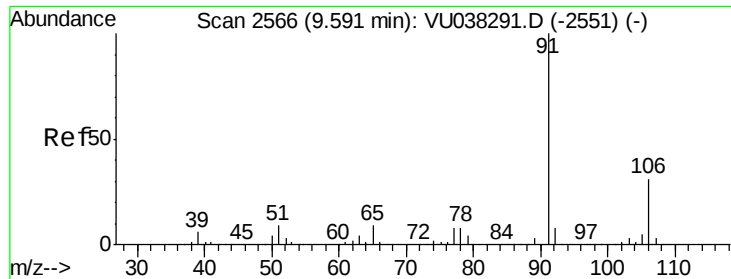
Tot Ion: 43 Resp: 17337
Ion Ratio Lower Upper
43 100
58 56.3 45.2 67.8
57 15.4 15.5 23.3#
100 10.6 9.5 14.3



#51
Chlorobenzene
Concen: 9.685 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU038293.D
Acq: 26 May 2020 13:22

Tgt Ion: 112 Resp: 690119
Ion Ratio Lower Upper
112 100
114 31.8 22.5 41.7
77 61.5 49.9 74.9





#52

Ethylbenzene

Concen: 0.511 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU038293.D

Acq: 26 May 2020 13:22

Instrument :

MSVOA_U

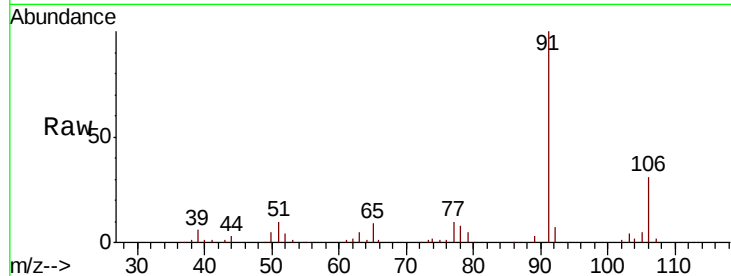
ClientSampleId :

Tot Ion: 91 Resp: 63512

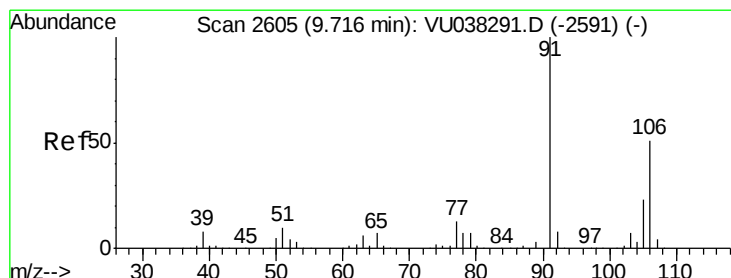
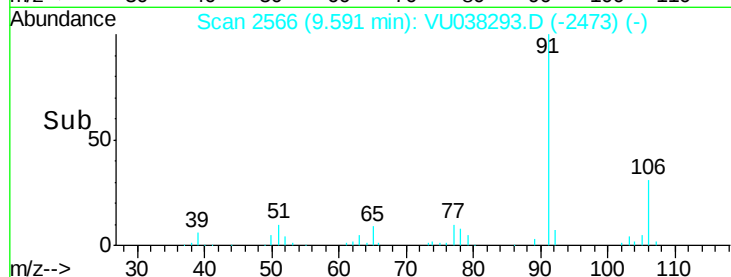
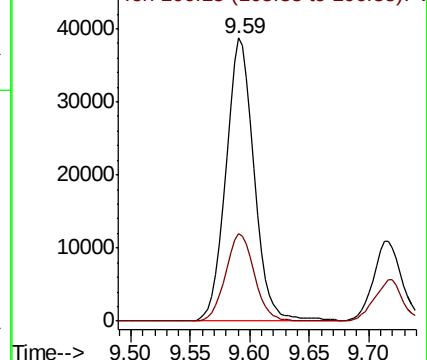
Ion Ratio Lower Upper

91 100

106 31.0 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU038293.D (-2551) (-)



#53

m,p-Xylene

Concen: 0.194 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU038293.D

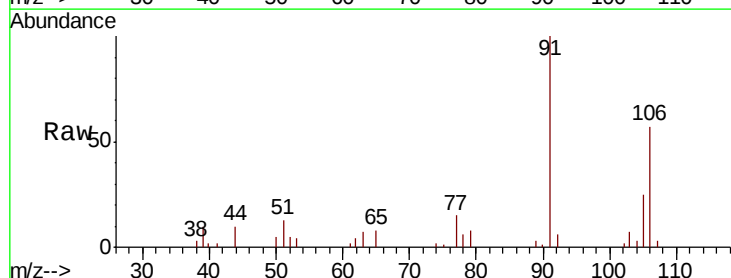
Acq: 26 May 2020 13:22

Tgt Ion: 106 Resp: 9247

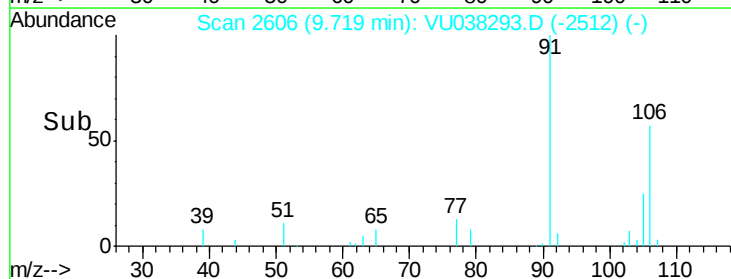
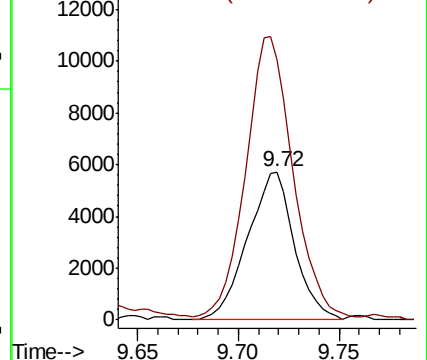
Ion Ratio Lower Upper

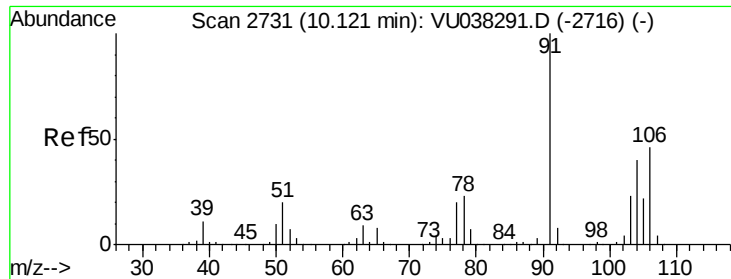
106 100

91 176.4 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): VU038293.D (-2591) (-)

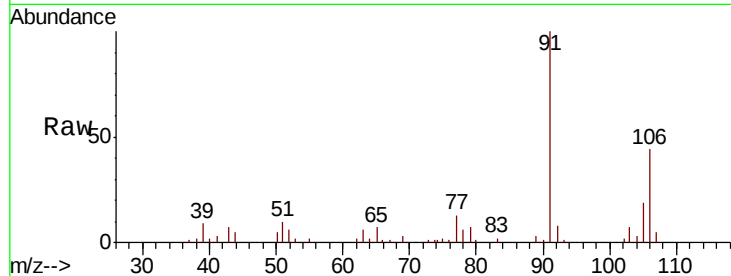




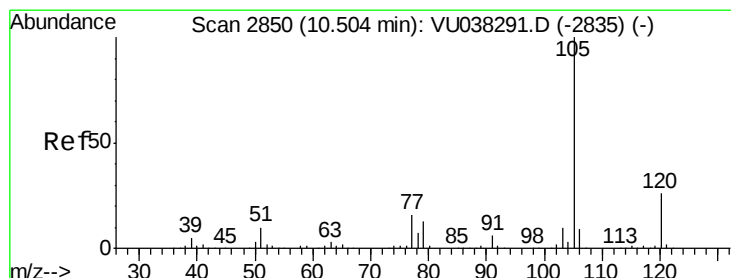
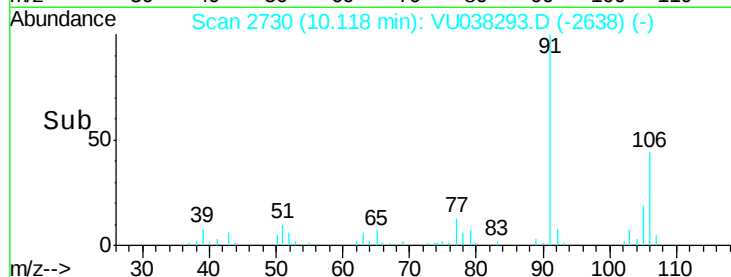
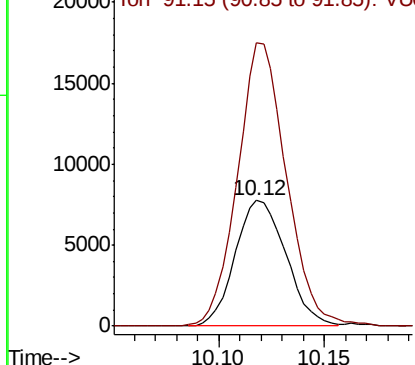
#54
o-Xylene
Concen: 0.281 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038293.D
Acq: 26 May 2020 13:22

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 12963
Ion Ratio Lower Upper
106 100
91 225.1 148.5 275.9

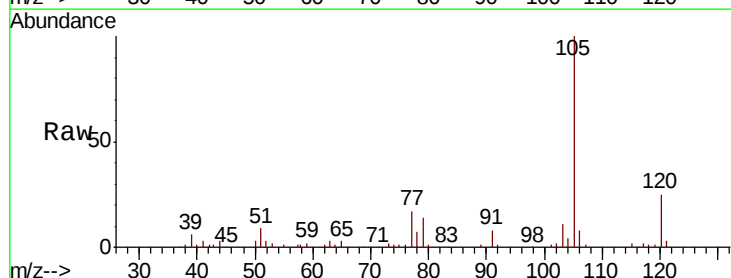


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

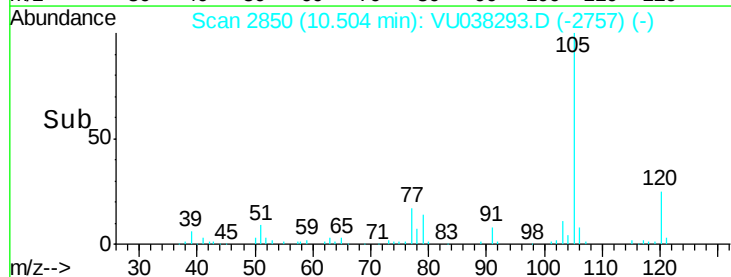
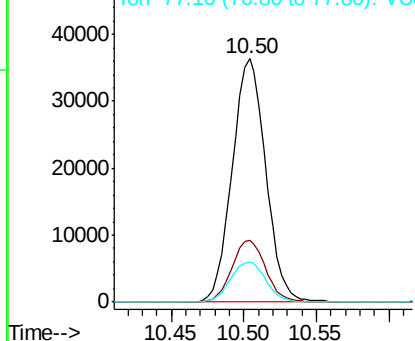


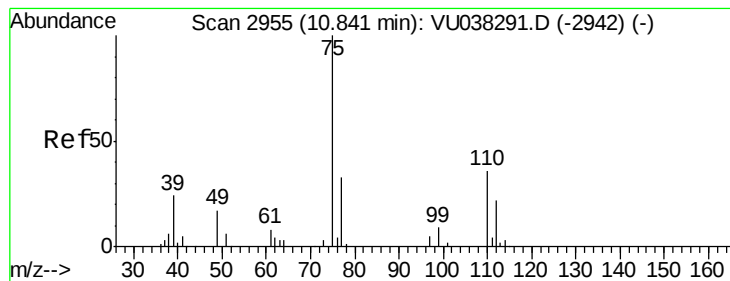
#56
Isopropylbenzene
Concen: 0.493 ug/L
RT: 10.50 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VU038293.D
Acq: 26 May 2020 13:22

Tgt Ion:105 Resp: 58437
Ion Ratio Lower Upper
105 100
120 25.4 21.0 31.6
77 17.2 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): VU0





#59

1,2,3-Trichloropropane

Concen: 1.469 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.99 min

Lab File: VU038293.D

Acq: 26 May 2020 13:22

Instrument :

MSVOA_U

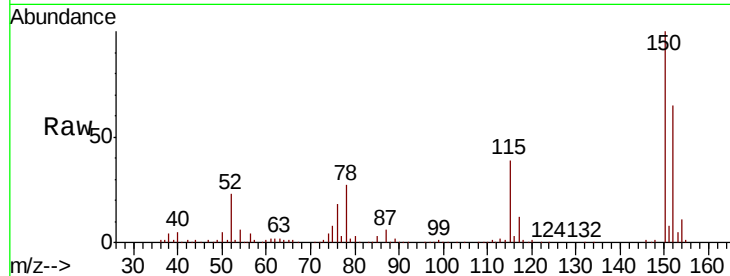
ClientSampled :

Tot Ion: 75 Resp: 29138

Ion Ratio Lower Upper

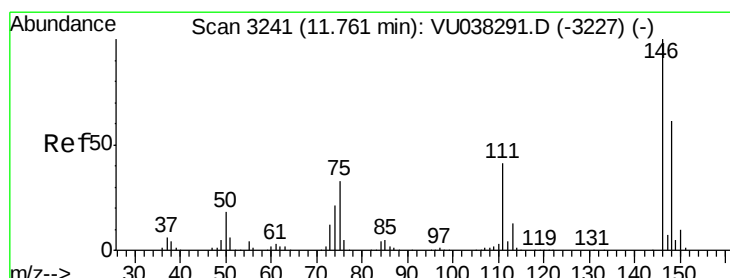
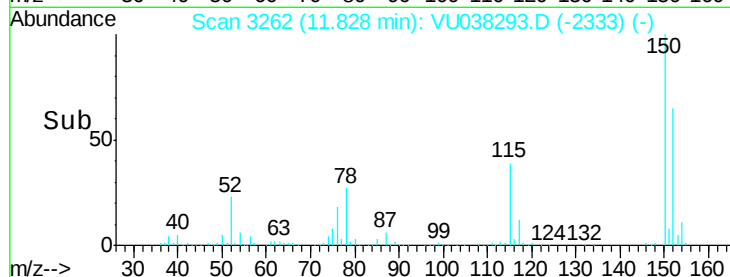
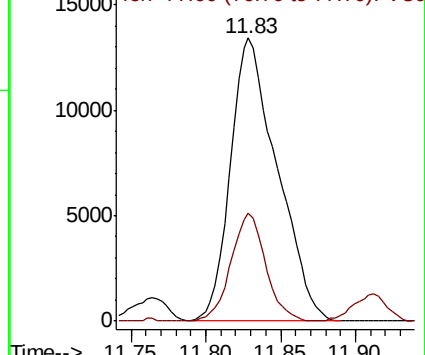
75 100

77 0.0 25.4 38.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#62

1,3-Dichlorobenzene

Concen: 0.105 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU038293.D

Acq: 26 May 2020 13:22

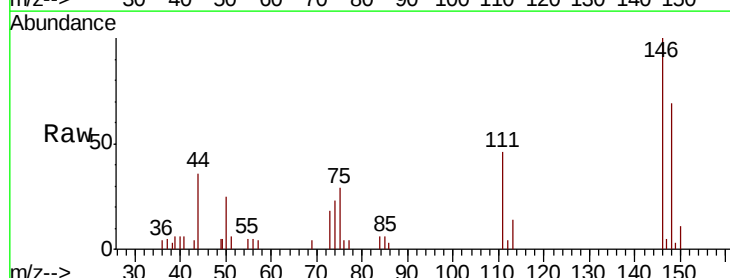
Tgt Ion: 146 Resp: 5675

Ion Ratio Lower Upper

146 100

111 45.6 28.6 53.2

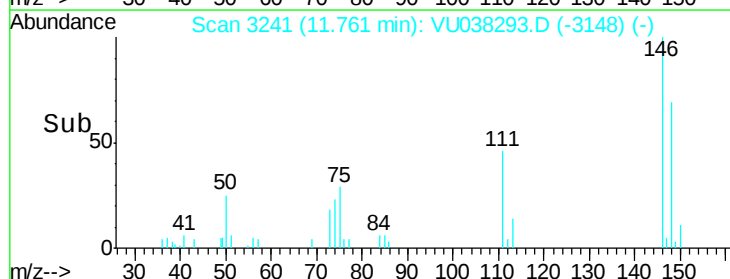
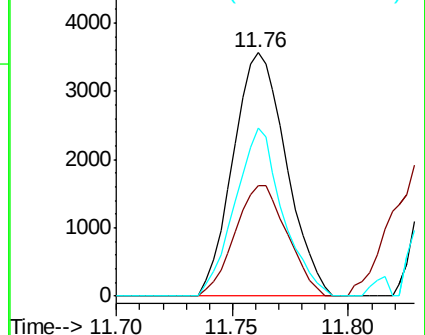
148 69.1 45.2 84.0

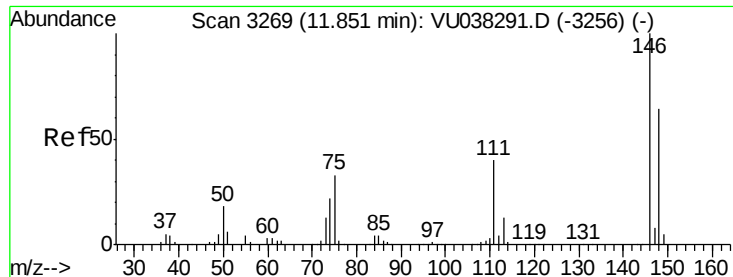


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 0.431 ug/L

RT: 11.85 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU038293.D

Acq: 26 May 2020 13:22

Instrument :

MSVOA_U

ClientSampleId :

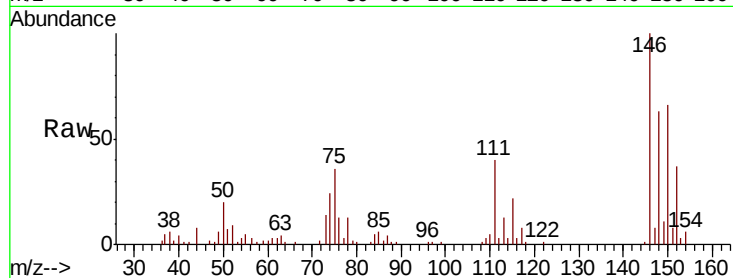
Tot Ion:146 Resp: 23683

Ion Ratio Lower Upper

146 100

111 40.1 27.2 50.6

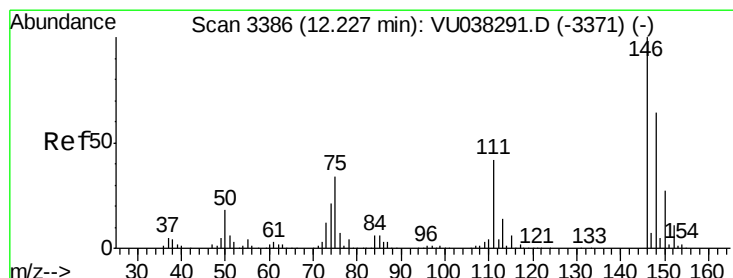
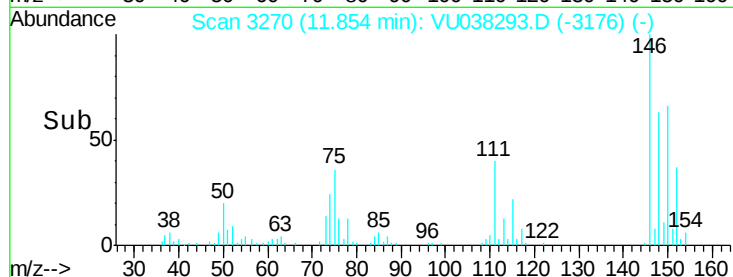
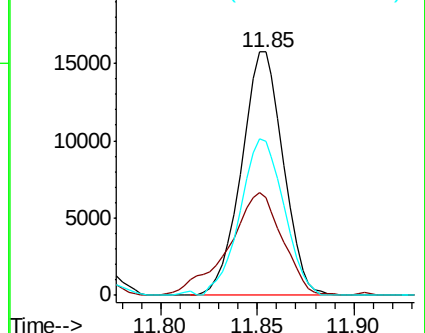
148 63.1 43.8 81.3



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: 0.204 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU038293.D

Acq: 26 May 2020 13:22

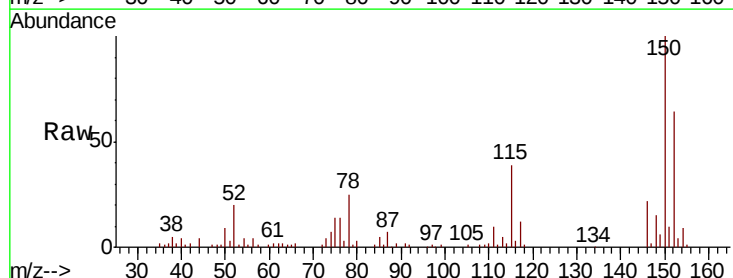
Tgt Ion:146 Resp: 10635

Ion Ratio Lower Upper

146 100

111 44.0 35.3 52.9

148 67.8 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

