

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052220\
 Data File : VU038288.D
 Acq On : 22 May 2020 19:25
 Operator : JC/MD
 Sample : L2724-14DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 25 00:57:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon May 25 00:55:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	319438	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	309025	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	145128	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	99551	3.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.20%
7) Chloroethane-d5	1.93	69	91770	3.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.60%
11) 1,1-Dichloroethene-d2	2.59	63	148806	3.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.00%
20) 2-Butanone-d5	4.66	46	380110	52.73	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.46%
24) Chloroform-d	5.10	84	211514	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.74	65	126169	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.76	84	442325	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.72	67	141358	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.92	98	380485	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	8.20	79	53970	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	8.65	63	299886	53.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.08%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	112916	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	151347	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	4035	0.190	ug/L	92
16) Methylene chloride	3.08	84	1694	0.066	ug/L	83
27) 1,2-Dichloroethane	5.81	62	8257	0.265	ug/L #	73
30) Cyclohexane	5.43	56	5032	0.120	ug/L #	92
33) Benzene	5.81	78	920982	9.307	ug/L	100
35) Methylcyclohexane	6.79	83	4294	0.107	ug/L	92
37) 1,2-Dichloropropane	6.72	63	15463	0.575	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3613	0.094	ug/L #	68
48) 2-Hexanone	8.71	43	21848	1.601	ug/L	98
51) Chlorobenzene	9.47	112	114072	1.760	ug/L	98
53) m,p-Xylene	9.71	106	22403	0.516	ug/L	96
54) o-Xylene	10.11	106	3653	0.087	ug/L	82
56) Isopropylbenzene	10.50	105	104148	0.966	ug/L	100
59) 1,2,3-Trichloropropane	11.82	75	24097	1.336	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	13040	0.273	ug/L	95
65) 1,2-Dichlorobenzene	12.22	146	20305	0.447	ug/L	97
69) Naphthalene	14.11	128	10089	0.154	ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon May 25 00:55:50 2020
Response via : Initial Calibration

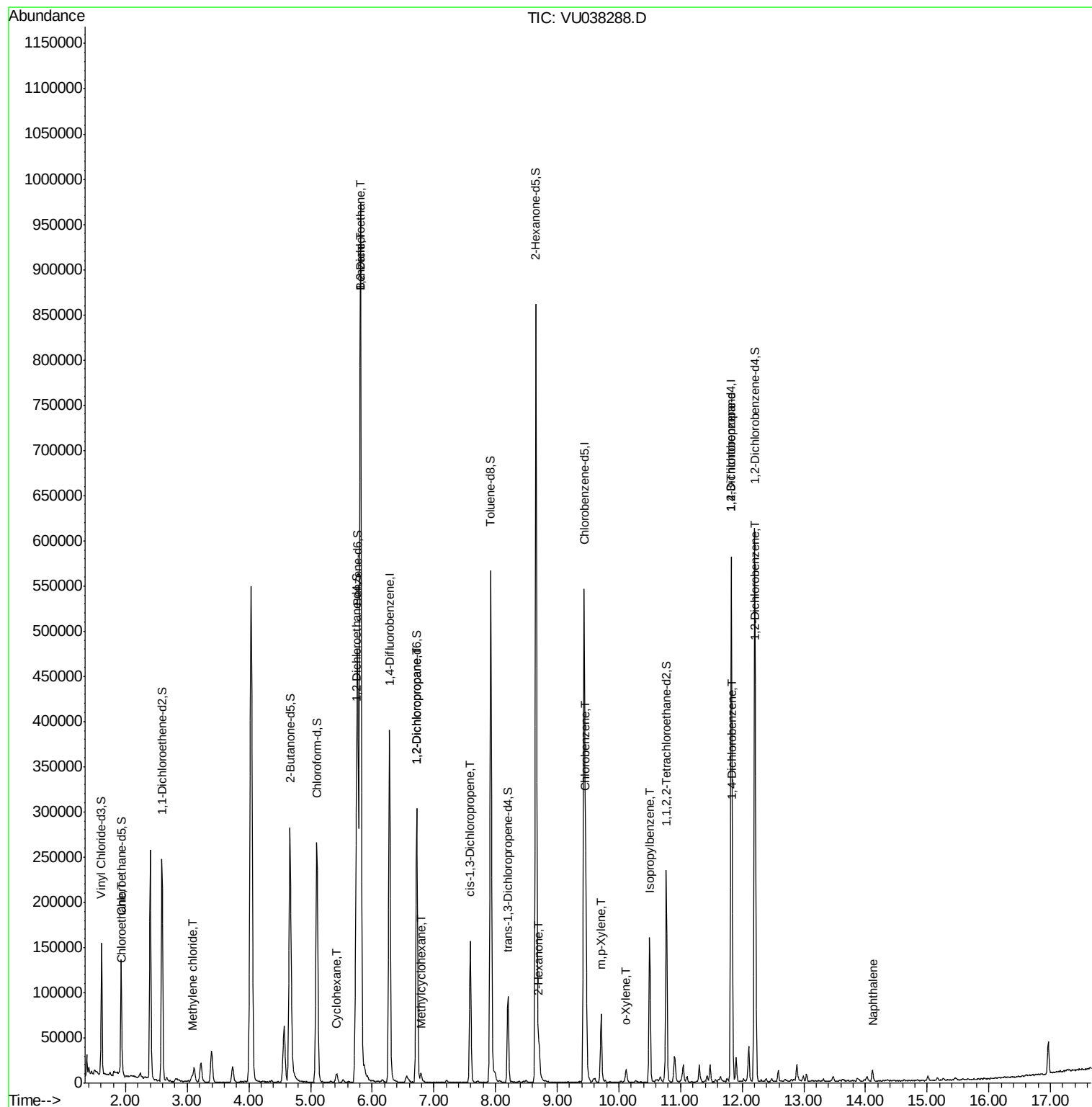
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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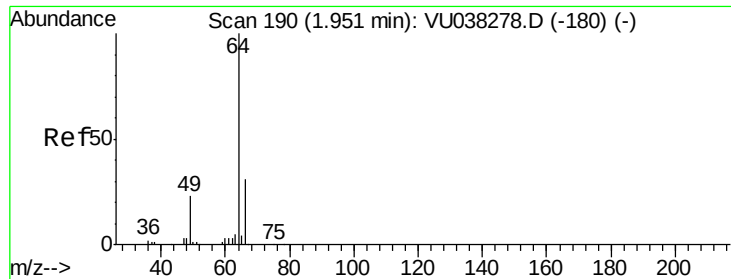
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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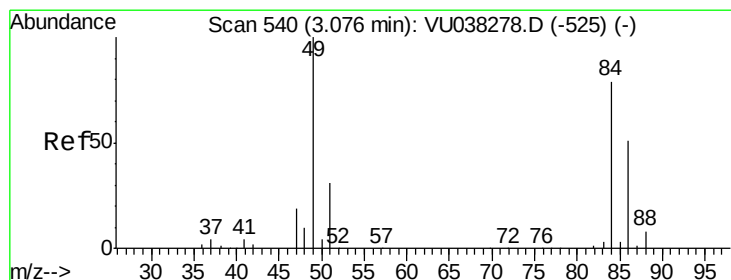
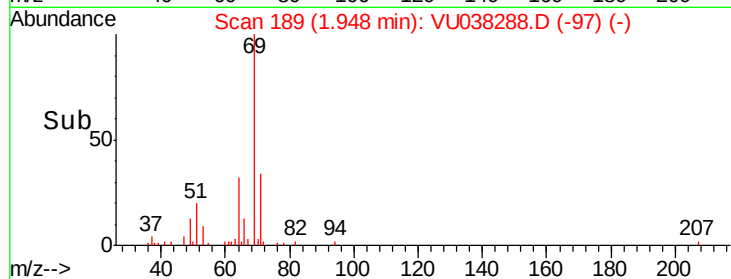
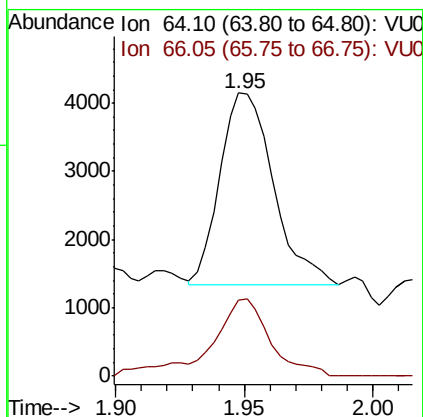
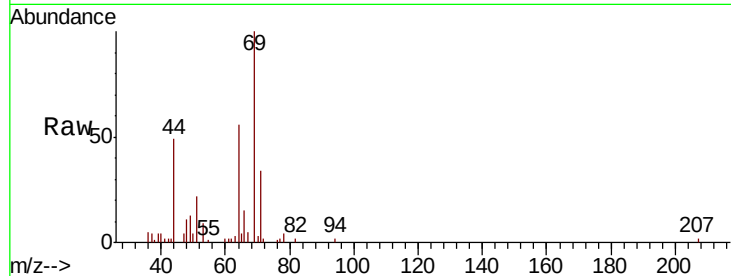




#8
Chloroethane
Concen: 0.190 ug/L
RT: 1.95 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU038288.D
Acq: 22 May 2020 19:25

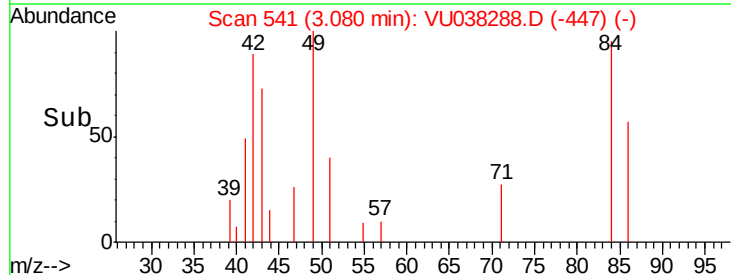
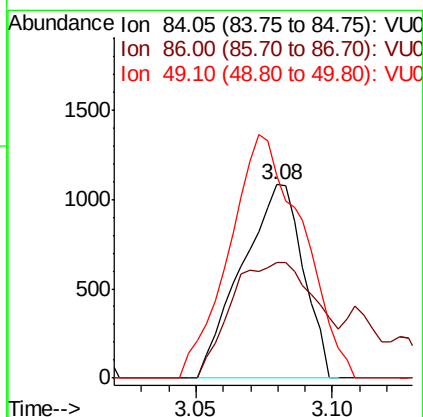
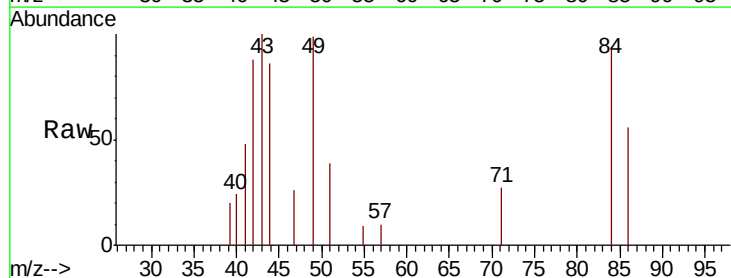
Instrument :
MSVOA_U
ClientSampleId :

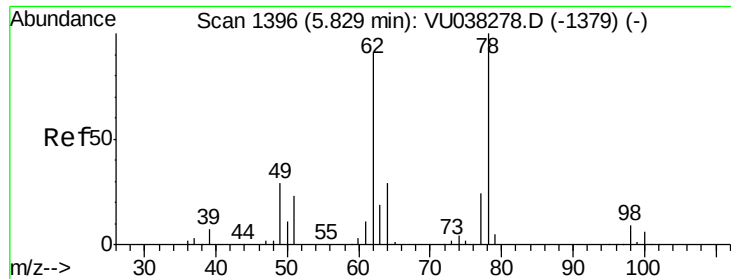
Tot Ion: 64 Resp: 4035
Ion Ratio Lower Upper
64 100
66 26.8 21.8 40.4



#16
Methylene chloride
Concen: 0.066 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU038288.D
Acq: 22 May 2020 19:25

Tgt Ion: 84 Resp: 1694
Ion Ratio Lower Upper
84 100
86 59.9 44.9 83.3
49 105.0 92.0 170.9

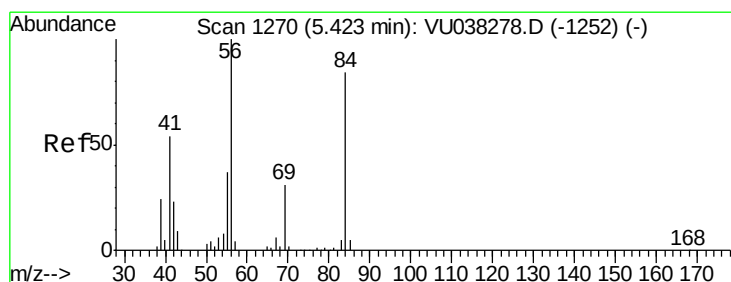
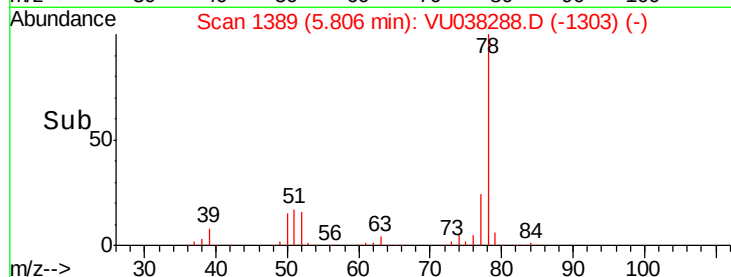
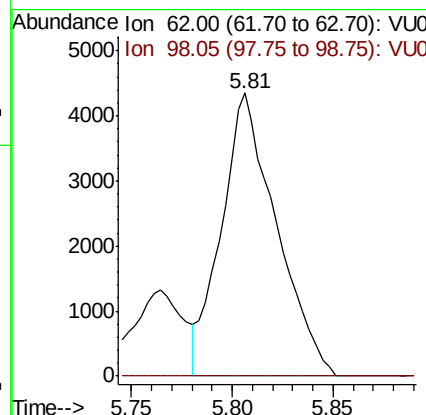
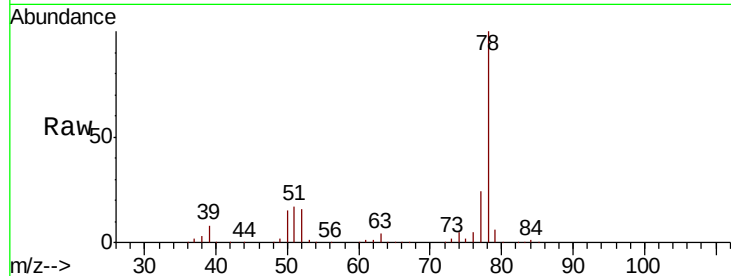




#27
 1,2-Dichloroethane
 Concen: 0.265 ug/L
 RT: 5.81 min Scan# 1389
 Delta R.T. -0.02 min
 Lab File: VU038288.D
 Acq: 22 May 2020 19:25

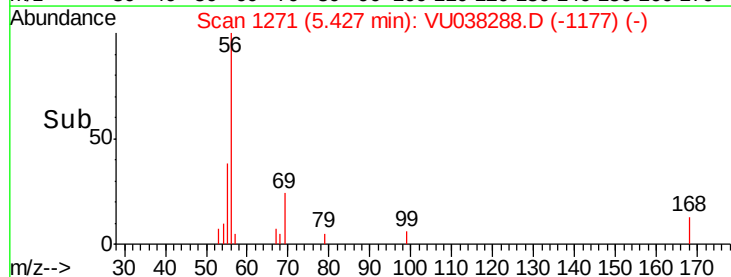
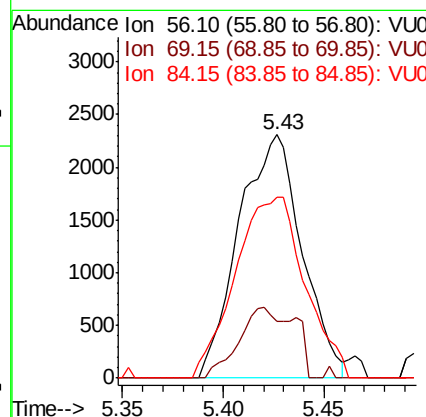
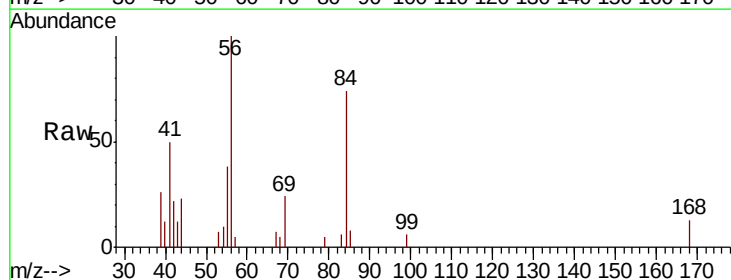
Instrument :
 MSVOA_U
 ClientSampleId :

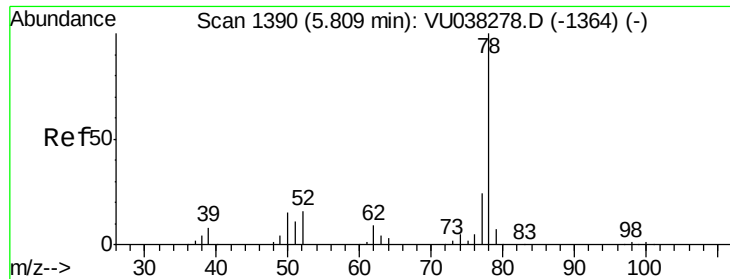
Tot Ion: 62 Resp: 8257
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.8 11.8#



#30
 Cyclohexane
 Concen: 0.120 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU038288.D
 Acq: 22 May 2020 19:25

Tgt Ion: 56 Resp: 5032
 Ion Ratio Lower Upper
 56 100
 69 19.3 24.2 36.4#
 84 82.0 68.5 102.7

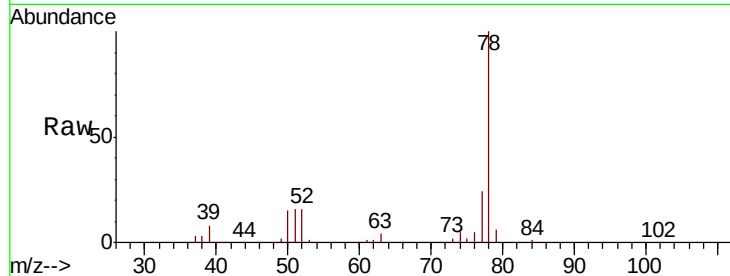




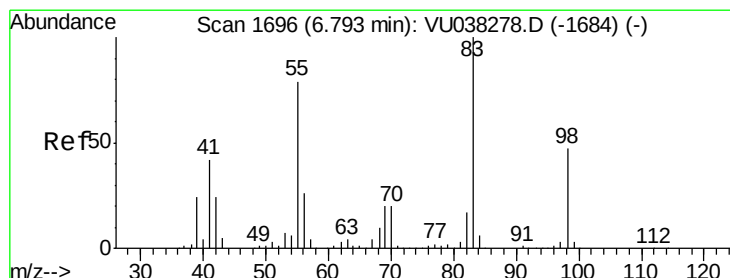
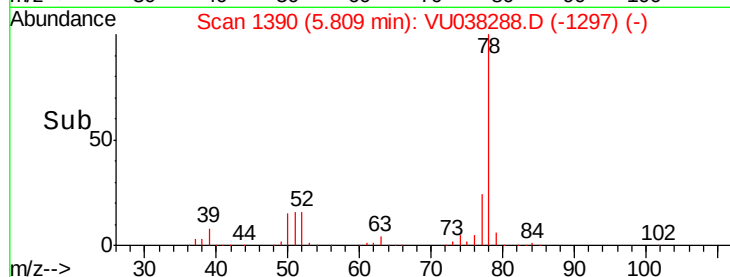
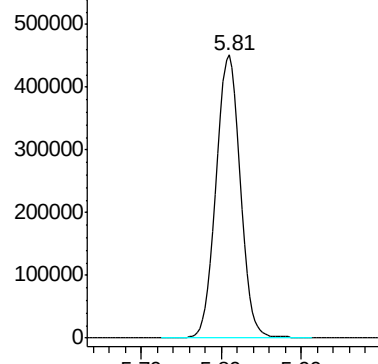
#33
Benzene
Concen: 9.307 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU038288.D
Acq: 22 May 2020 19:25

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 78 Resp: 920982

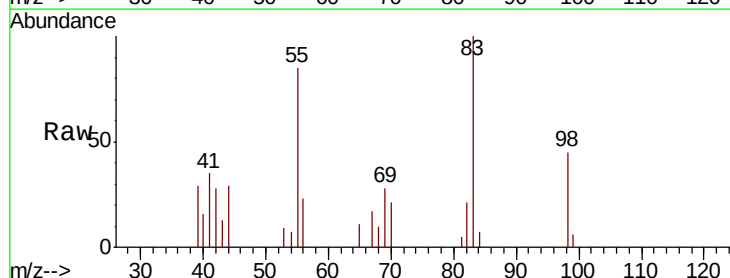


Abundance Ion 78.10 (77.80 to 78.80): VU0



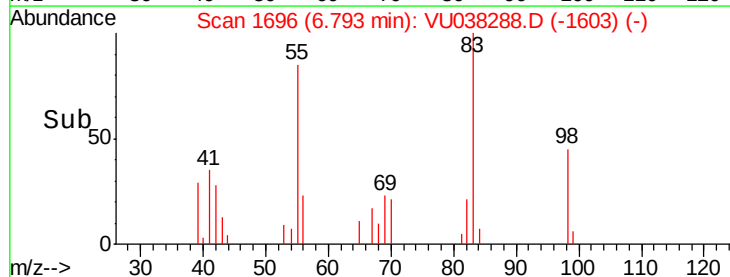
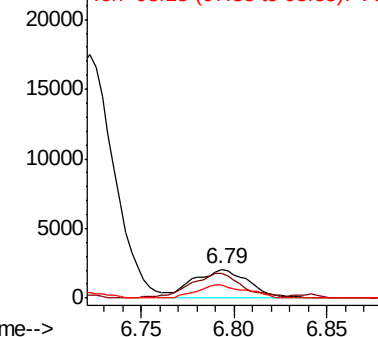
#35
Methylcyclohexane
Concen: 0.107 ug/L
RT: 6.79 min Scan# 1696
Delta R.T. 0.00 min
Lab File: VU038288.D
Acq: 22 May 2020 19:25

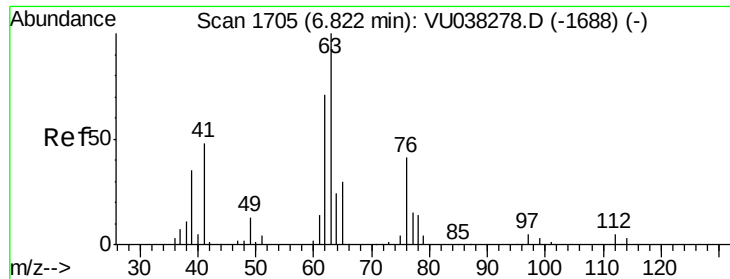
Tgt Ion: 83 Resp: 4294
Ion Ratio Lower Upper
83 100
55 80.1 66.7 100.1
98 39.5 39.4 59.2



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

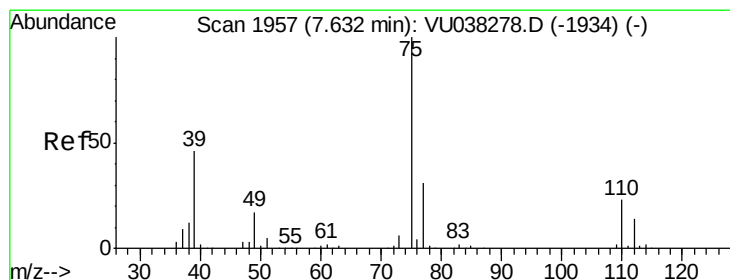
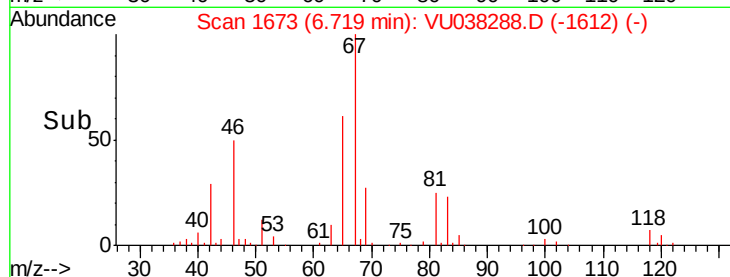
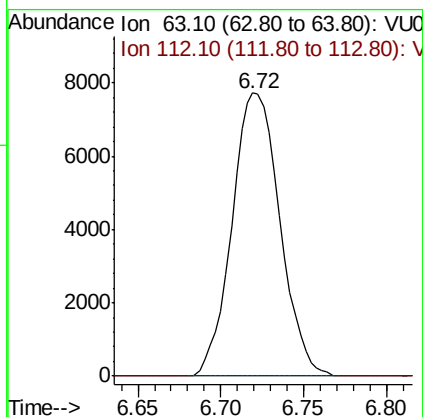
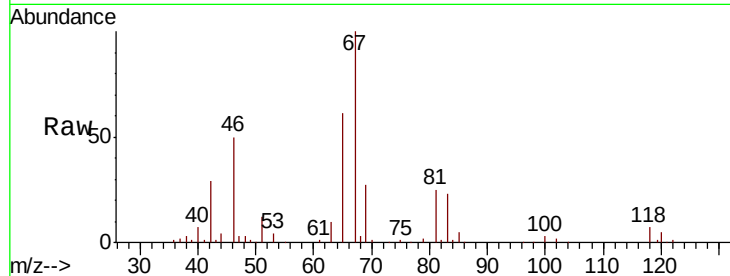




#37
 1,2-Dichloropropane
 Concen: 0.575 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU038288.D
 Acq: 22 May 2020 19:25

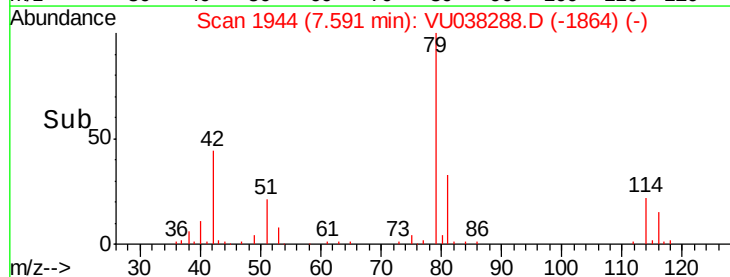
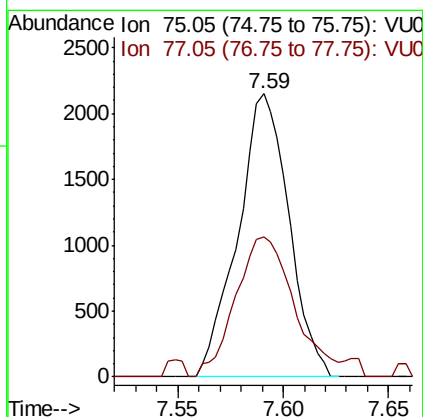
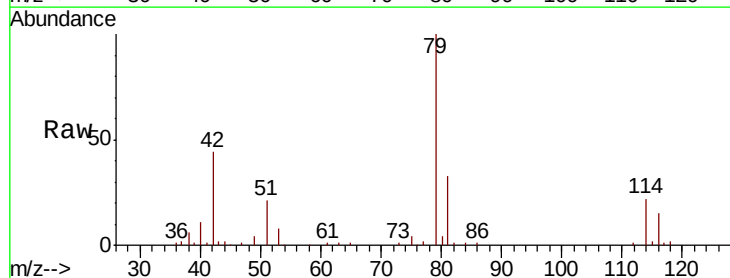
Instrument :
 MSVOA_U
 ClientSampled :

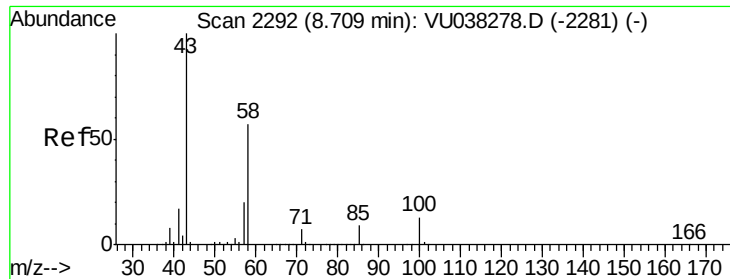
Tot Ion: 63 Resp: 15463
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.094 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038288.D
 Acq: 22 May 2020 19:25

Tgt Ion: 75 Resp: 3613
 Ion Ratio Lower Upper
 75 100
 77 49.6 22.4 41.6#

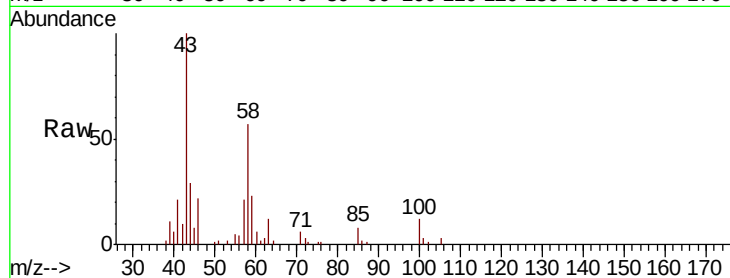




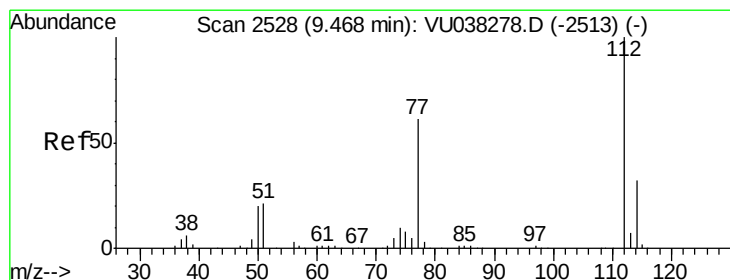
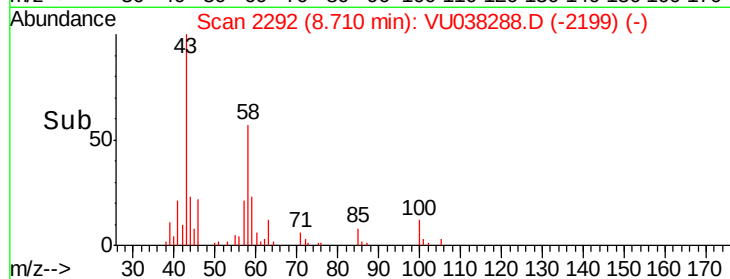
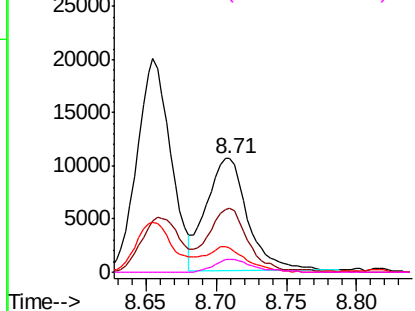
#48
2-Hexanone
Concen: 1.601 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038288.D
Acq: 22 May 2020 19:25

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	21848
Ion	Ratio	Lower	Upper
43	100		
58	54.7	45.2	67.8
57	19.8	15.5	23.3
100	10.9	9.5	14.3

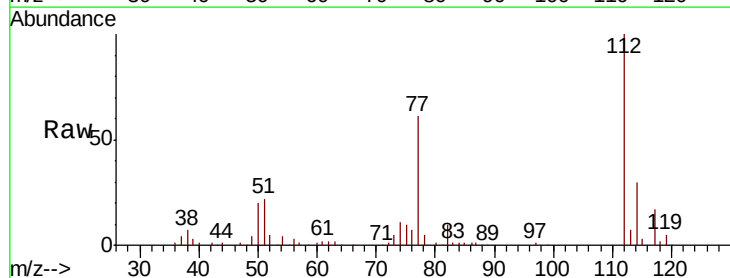


Abundance Ion 43.05 (42.75 to 43.75): VU038288.D (-2281) (-)
Ion 58.05 (57.75 to 58.75): VU038288.D (-2281) (-)
Ion 57.20 (56.90 to 57.90): VU038288.D (-2281) (-)
Ion 100.15 (99.85 to 100.85): VU038288.D (-2281) (-)

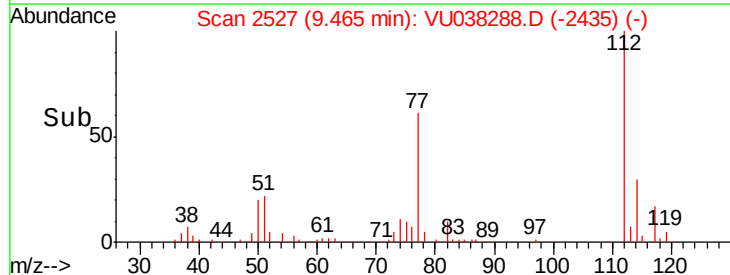
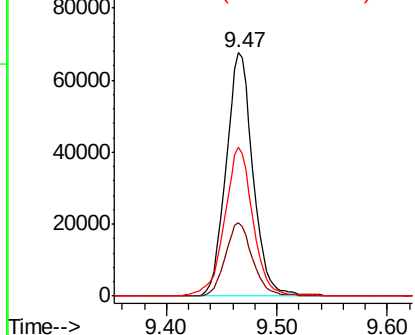


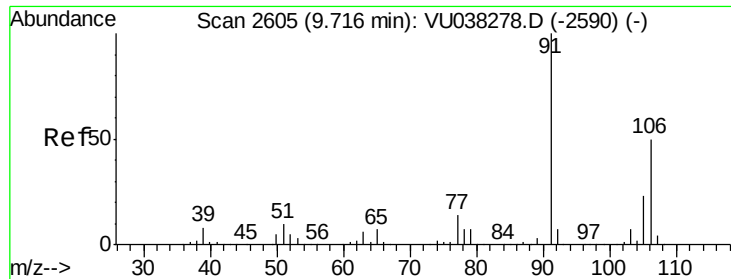
#51
Chlorobenzene
Concen: 1.760 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038288.D
Acq: 22 May 2020 19:25

Tgt Ion:	112	Resp:	114072
Ion	Ratio	Lower	Upper
112	100		
114	30.4	22.5	41.7
77	61.0	49.9	74.9



Abundance Ion 112.10 (111.80 to 112.80): VU038288.D (-2513) (-)
Ion 114.05 (113.75 to 114.75): VU038288.D (-2513) (-)
Ion 77.10 (76.80 to 77.80): VU038288.D (-2513) (-)





#53

m,p-Xylene

Concen: 0.516 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU038288.D

Acq: 22 May 2020 19:25

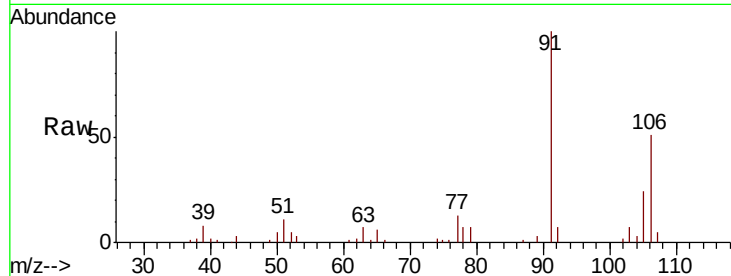
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 22403

Ion Ratio Lower Upper

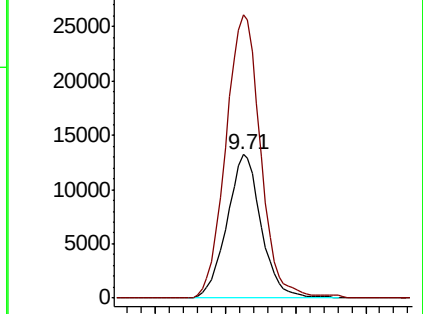
106 100

91 197.3 142.1 263.9

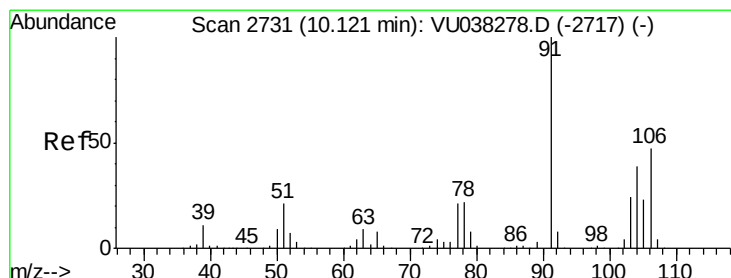
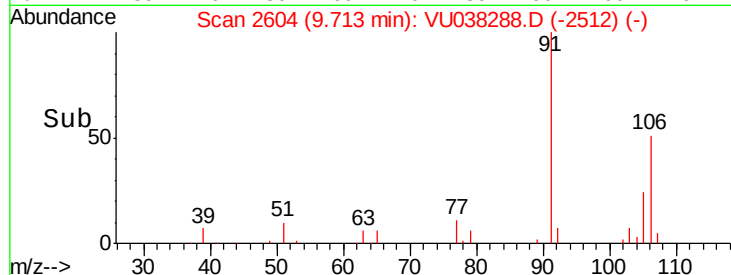


Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



Time-->



#54

o-Xylene

Concen: 0.087 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.01 min

Lab File: VU038288.D

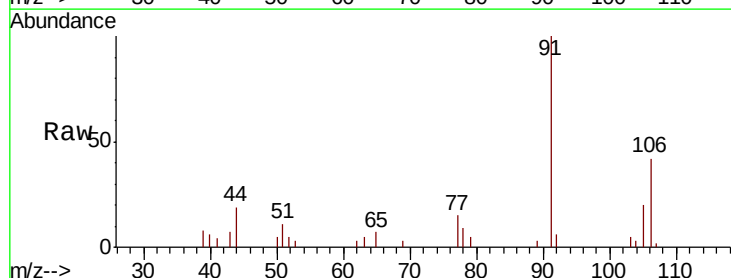
Acq: 22 May 2020 19:25

Tgt Ion:106 Resp: 3653

Ion Ratio Lower Upper

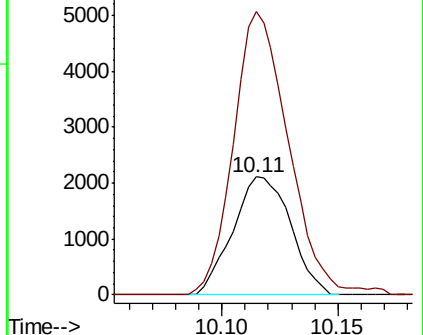
106 100

91 240.0 148.5 275.9

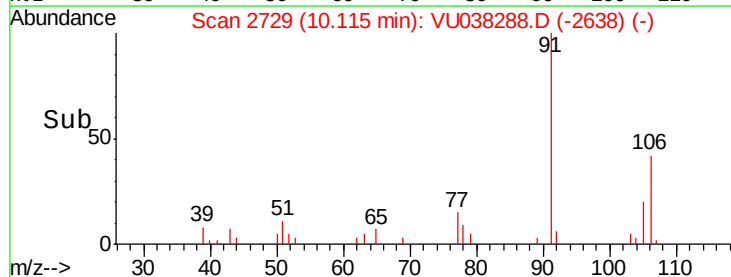


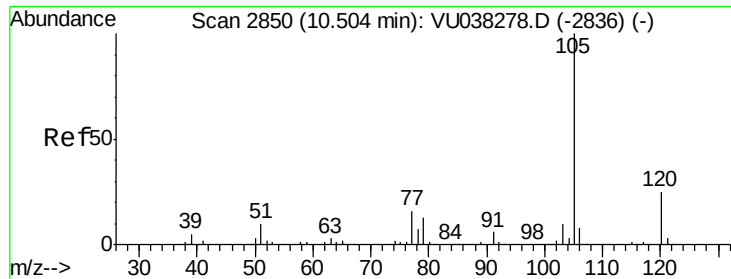
Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



Time-->





#56

Isopropylbenzene

Concen: 0.966 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.01 min

Lab File: VU038288.D

Acq: 22 May 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

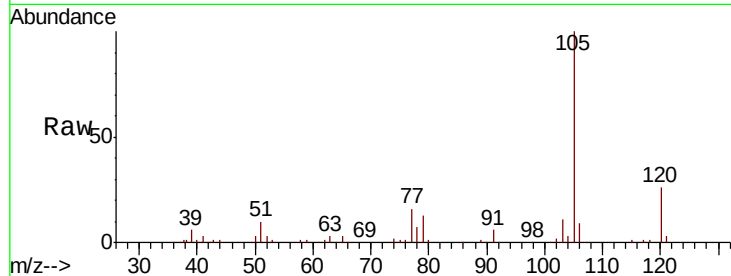
Tot Ion:105 Resp: 104148

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.6

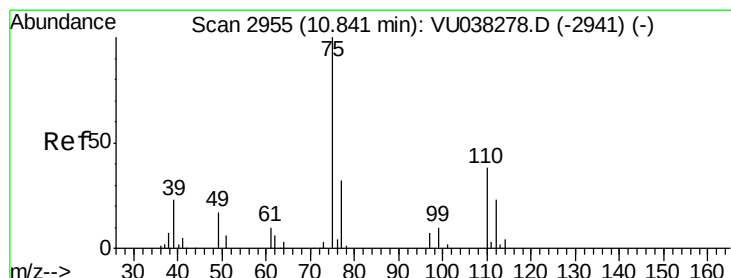
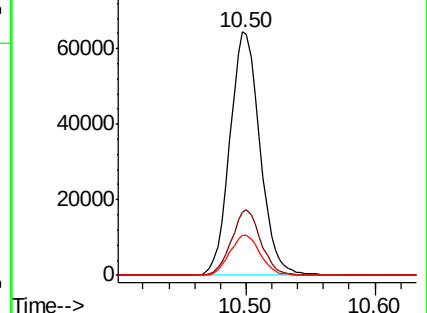
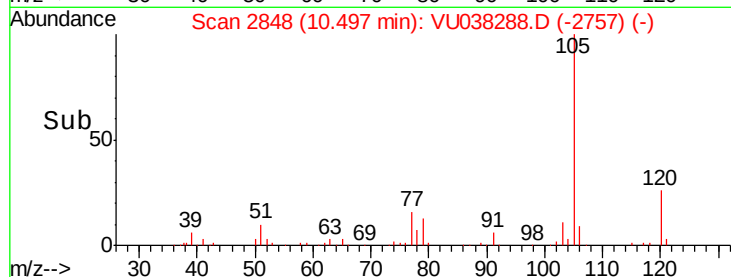
77 16.5 13.0 19.4



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): VU



#59

1,2,3-Trichloropropane

Concen: 1.336 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038288.D

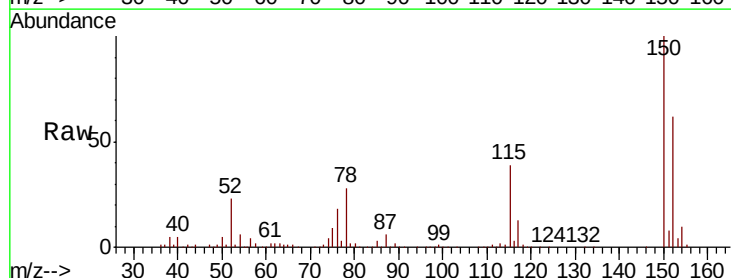
Acq: 22 May 2020 19:25

Tgt Ion: 75 Resp: 24097

Ion Ratio Lower Upper

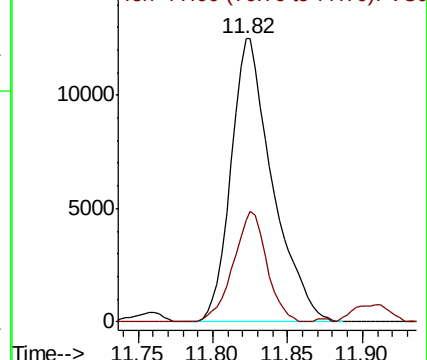
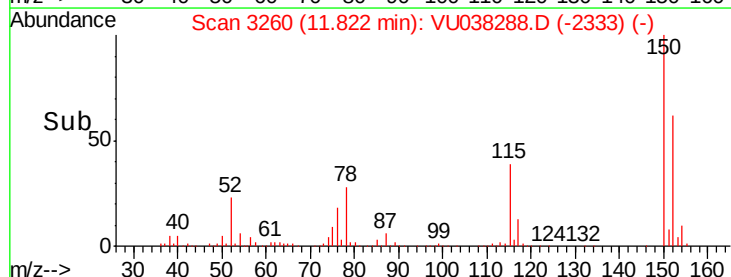
75 100

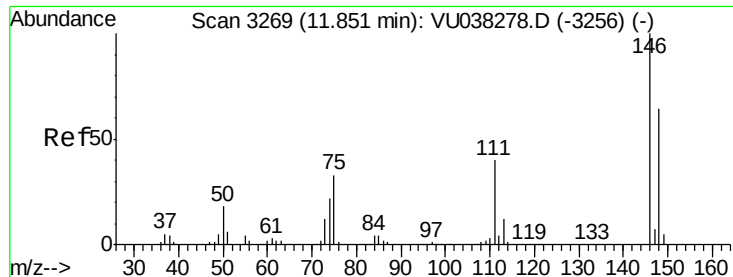
77 31.4 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU





#63

1,4-Dichlorobenzene

Concen: 0.273 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038288.D

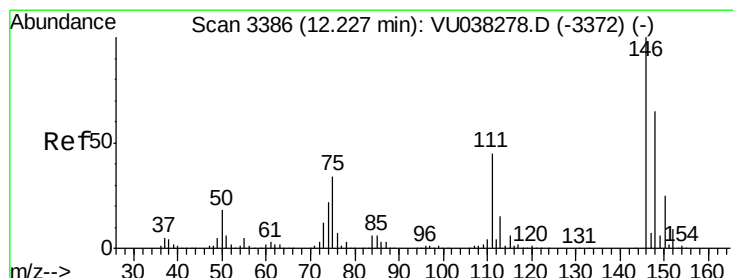
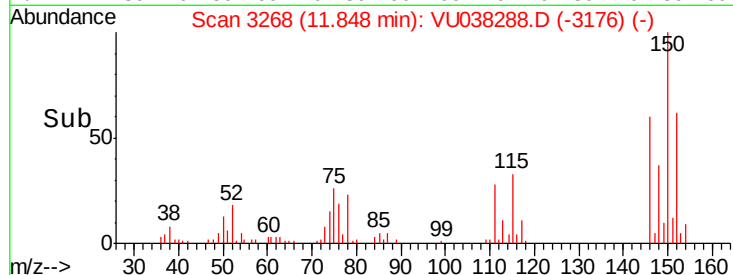
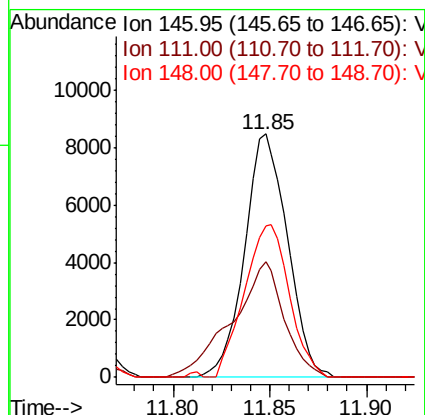
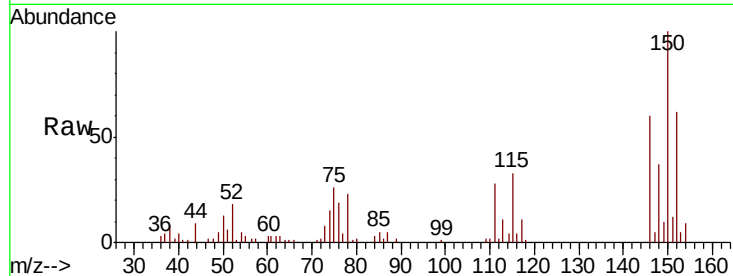
Acq: 22 May 2020 19:25

Instrument :

MSVOA_U

ClientSampled :

Tot Ion:146	Resp:	13040
Ion Ratio	Lower	Upper
146	100	
111	47.2	27.2 50.6
148	62.3	43.8 81.3



#65

1,2-Dichlorobenzene

Concen: 0.447 ug/L

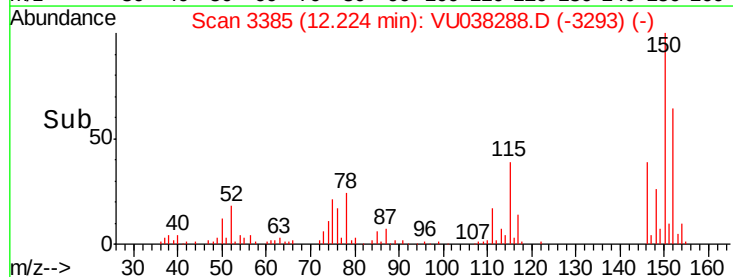
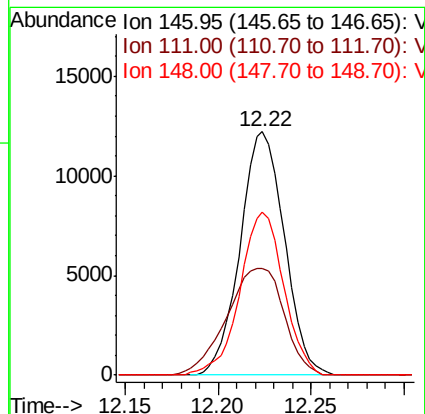
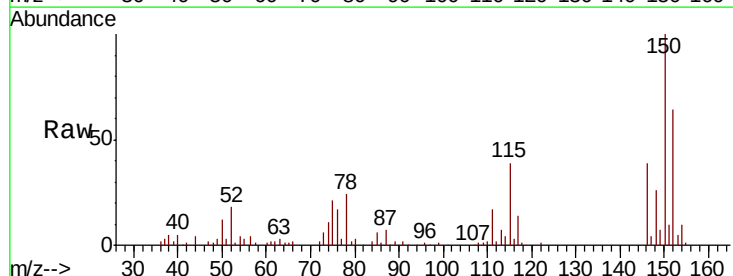
RT: 12.22 min Scan# 3385

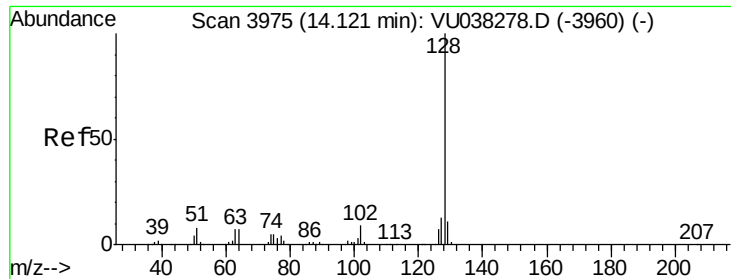
Delta R.T. -0.00 min

Lab File: VU038288.D

Acq: 22 May 2020 19:25

Tgt Ion:146	Resp:	20305
Ion Ratio	Lower	Upper
146	100	
111	43.7	35.3 52.9
148	66.9	51.0 76.4





#69

Naphthalene

Concen: 0.154 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

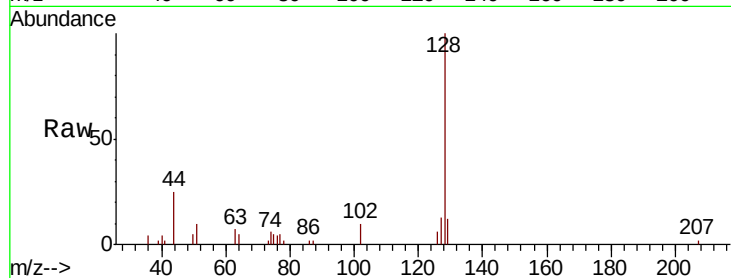
Lab File: VU038288.D

Acq: 22 May 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :



Tot Ion:128 Resp: 10089

Ion Ratio Lower Upper

128 100

129 11.6 8.7 13.1

127 12.5 10.2 15.4

