

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
 Data File : VU038415.D
 Acq On : 30 May 2020 16:01
 Operator : JC/MD
 Sample : L2766-06DL 2X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 01 02:39:57 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	330404	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	325062	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	158248	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	108745	5.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.80%
7) Chloroethane-d5	1.93	69	84132	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.40%
11) 1,1-Dichloroethene-d2	2.59	63	157694	3.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.00%
20) 2-Butanone-d5	4.67	46	348573	53.66	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.32%
24) Chloroform-d	5.10	84	203079	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.74	65	118856	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.76	84	421481	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.72	67	130524	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	7.92	98	359642	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
43) trans-1,3-Dichloropropene-	8.20	79	51390	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	8.65	63	301749	56.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.88%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	106535	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	147172	5.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	11248	0.733	ug/L	97
12) 1,1-Dichloroethene	2.59	96	1304	0.064	ug/L #	1
13) Acetone	2.67	43	11674	2.746	ug/L	96
15) Methyl Acetate	3.08	43	6147	0.590	ug/L #	51
16) Methylene chloride	3.08	84	1805	0.078	ug/L	83
27) 1,2-Dichloroethane	5.81	62	8021	0.286	ug/L #	74
30) Cyclohexane	5.43	56	7855	0.218	ug/L #	90
33) Benzene	5.81	78	979776	10.809	ug/L	100
35) Methylcyclohexane	6.79	83	4995	0.137	ug/L	94
37) 1,2-Dichloropropane	6.72	63	14408	0.632	ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	3622	0.107	ug/L #	64
48) 2-Hexanone	8.71	43	15714	1.272	ug/L #	89
51) Chlorobenzene	9.47	112	242332	3.952	ug/L	98
53) m,p-Xylene	9.71	106	6140	0.151	ug/L	98
56) Isopropylbenzene	10.50	105	16472	0.160	ug/L	99
59) 1,2,3-Trichloropropane	11.83	75	29537	1.735	ug/L	92
63) 1,4-Dichlorobenzene	11.85	146	31397	0.666	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

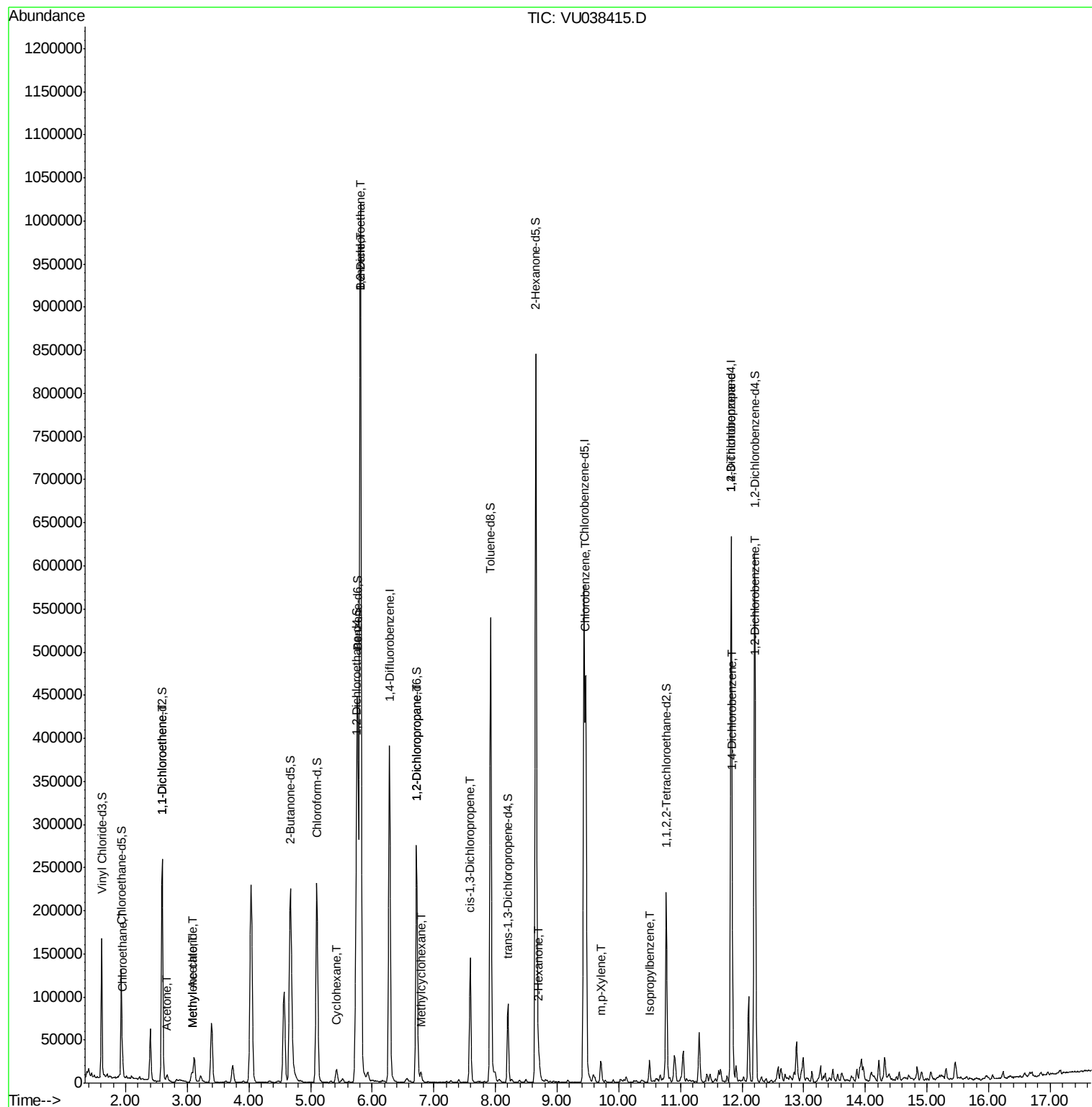
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,2-Dichlorobenzene	12.22	146	32576	0.738	ug/L	98

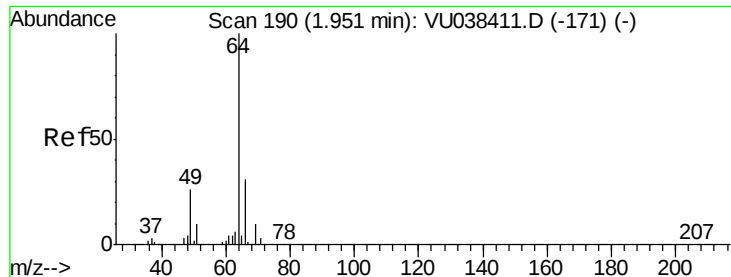
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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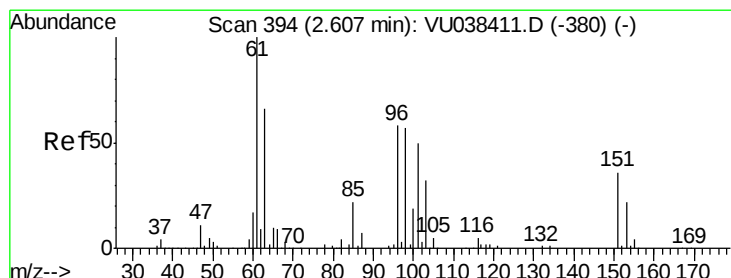
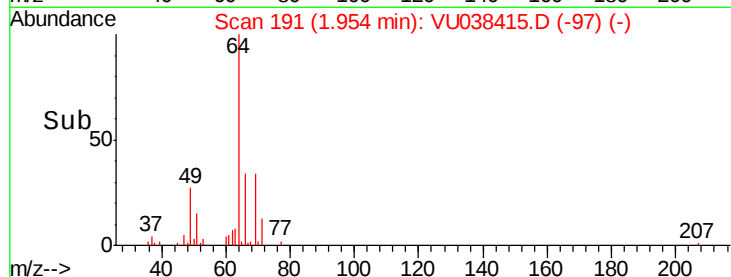
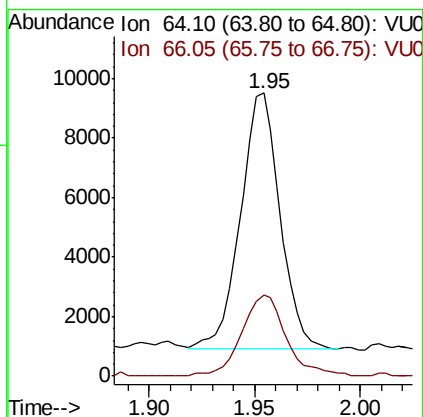
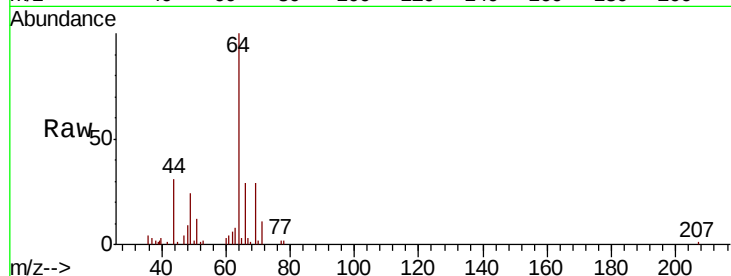




#8
Chloroethane
Concen: 0.733 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU038415.D
Acq: 30 May 2020 16:01

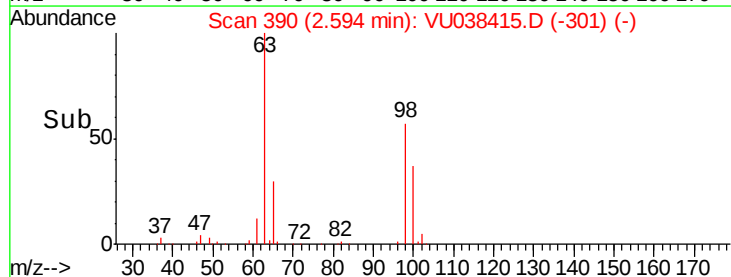
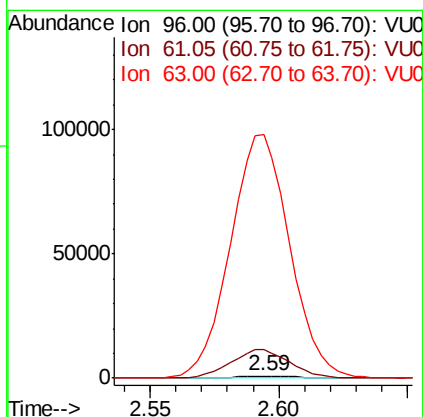
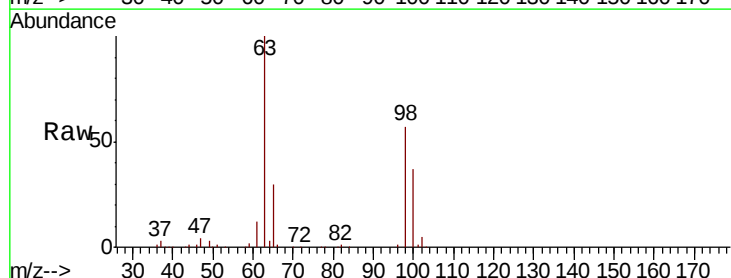
Instrument :
MSVOA_U
ClientSampled :

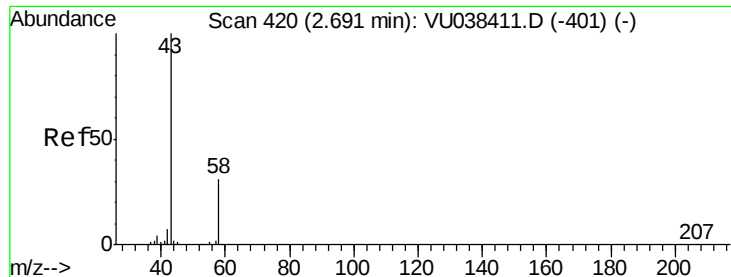
Tot Ion: 64 Resp: 11248
Ion Ratio Lower Upper
64 100
66 28.8 21.5 39.9



#12
1,1-Dichloroethene
Concen: 0.064 ug/L
RT: 2.59 min Scan# 390
Delta R.T. -0.01 min
Lab File: VU038415.D
Acq: 30 May 2020 16:01

Tgt Ion: 96 Resp: 1304
Ion Ratio Lower Upper
96 100
61 1375.8 119.9 222.7#
63 11851.0 89.9 167.0#





#13

Acetone

Concen: 2.746 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.02 min

Lab File: VU038415.D

Acq: 30 May 2020 16:01

Instrument :

MSVOA_U

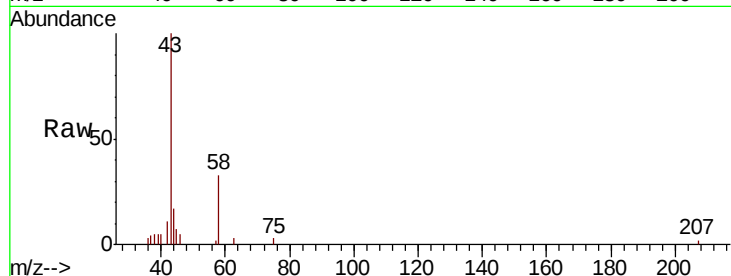
ClientSampleId :

Tot Ion: 43 Resp: 11674

Ion Ratio Lower Upper

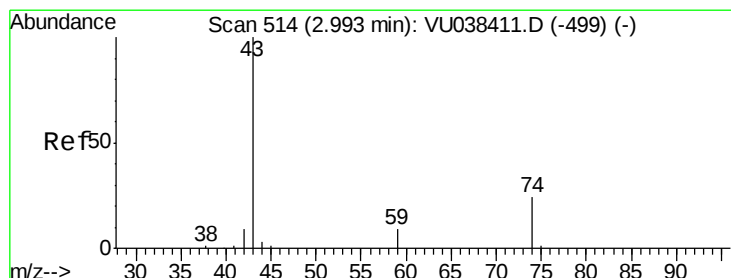
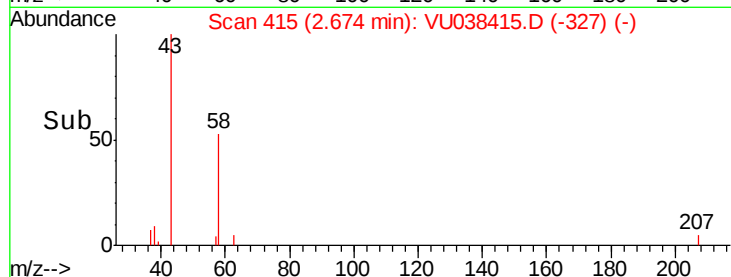
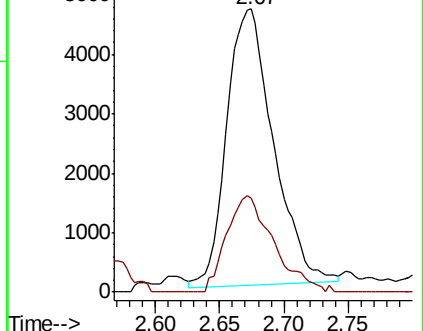
43 100

58 35.1 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038415.D (-415) (-)

Ion 58.05 (57.75 to 58.75): VU038415.D (-415) (-)



#15

Methyl Acetate

Concen: 0.590 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.09 min

Lab File: VU038415.D

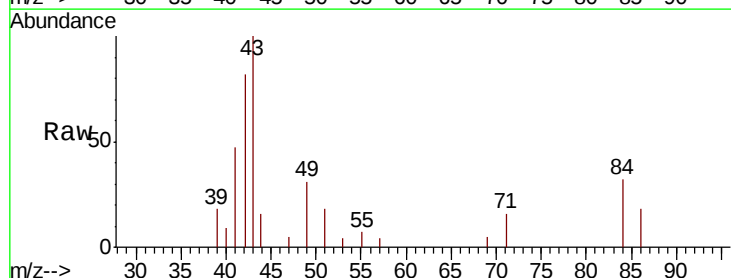
Acq: 30 May 2020 16:01

Tgt Ion: 43 Resp: 6147

Ion Ratio Lower Upper

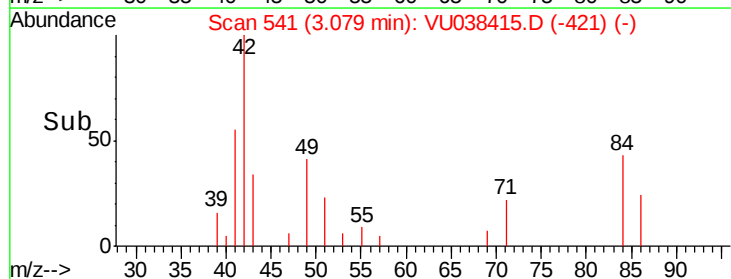
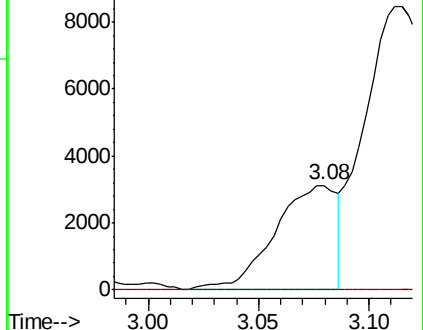
43 100

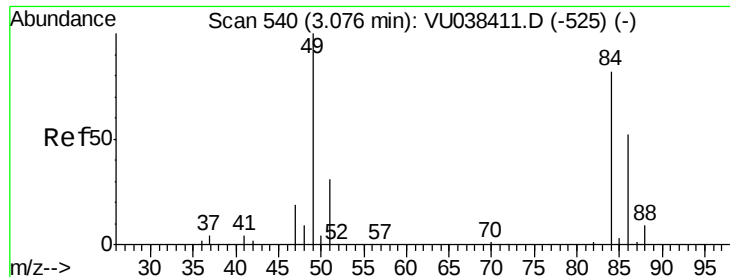
74 0.0 19.2 28.8#



Abundance Ion 43.05 (42.75 to 43.75): VU038415.D (-541) (-)

Ion 74.05 (73.75 to 74.75): VU038415.D (-541) (-)

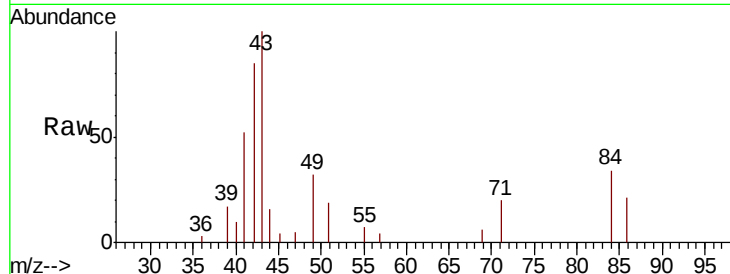




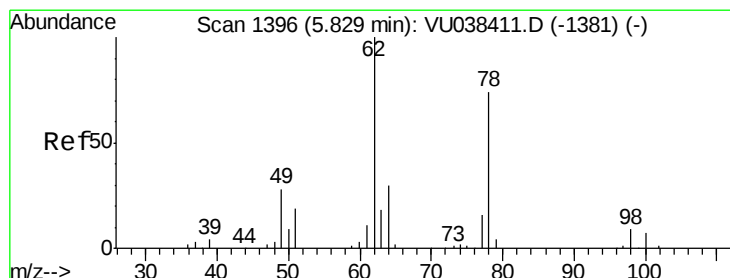
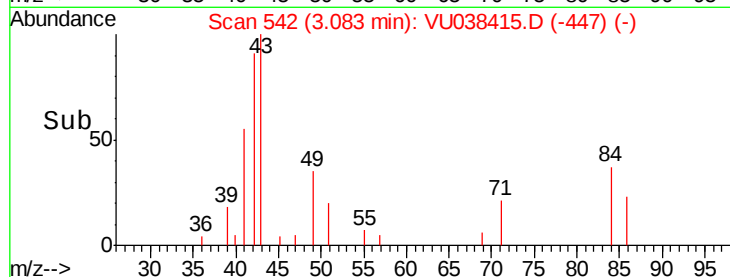
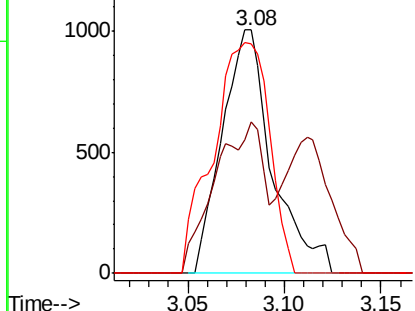
#16
Methvlene chloride
Concen: 0.078 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.01 min
Lab File: VU038415.D
Acq: 30 May 2020 16:01

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 84 Resp: 1805
Ion Ratio Lower Upper
84 100
86 62.3 45.0 83.6
49 94.2 85.5 158.9

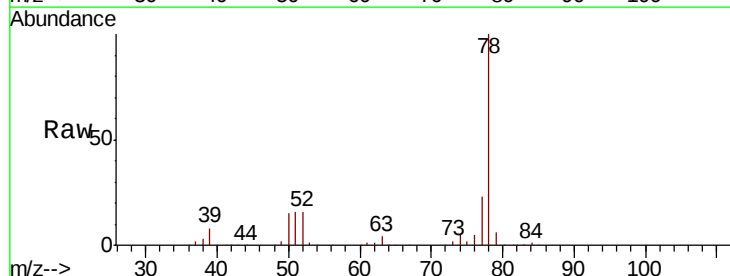


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

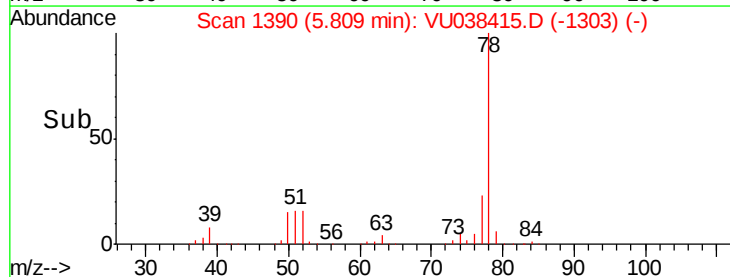
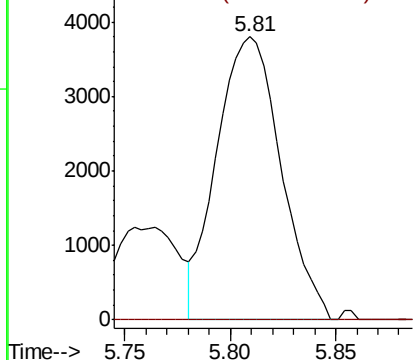


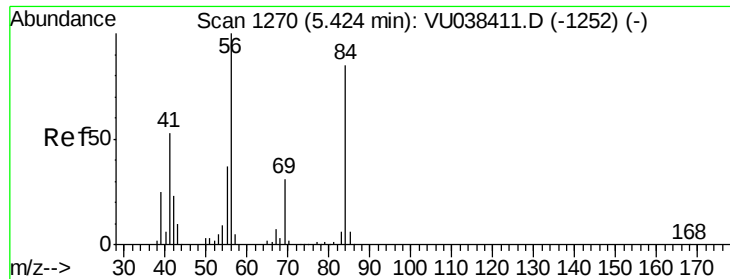
#27
1,2-Dichloroethane
Concen: 0.286 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.02 min
Lab File: VU038415.D
Acq: 30 May 2020 16:01

Tgt Ion: 62 Resp: 8021
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.2#



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0

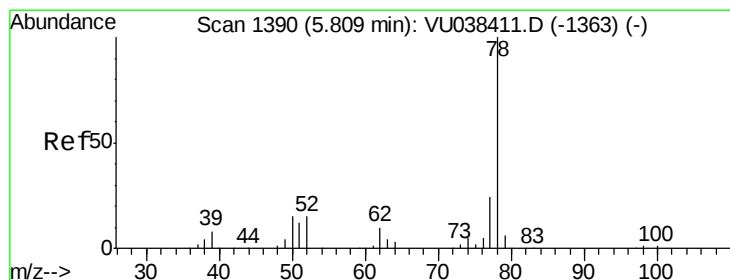
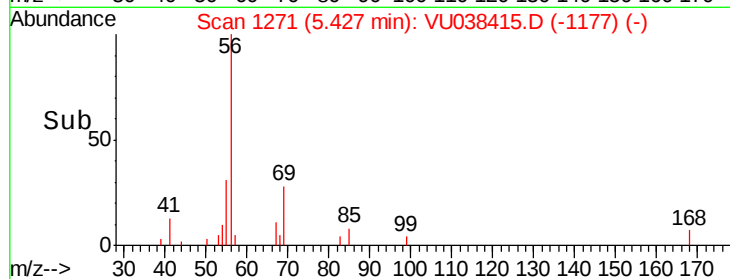
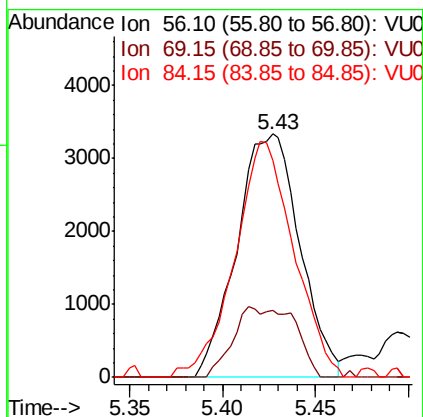
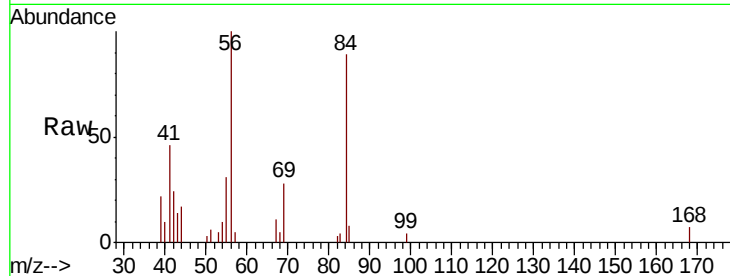




#30
Cyclohexane
Concen: 0.218 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU038415.D
Acq: 30 May 2020 16:01

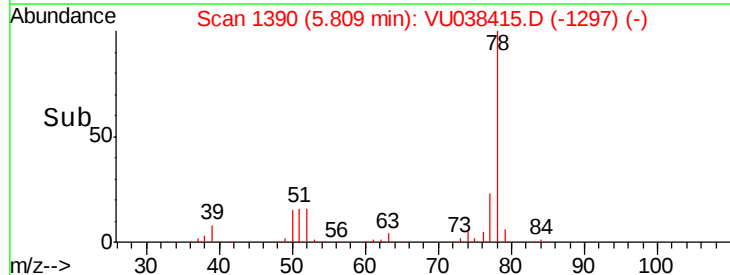
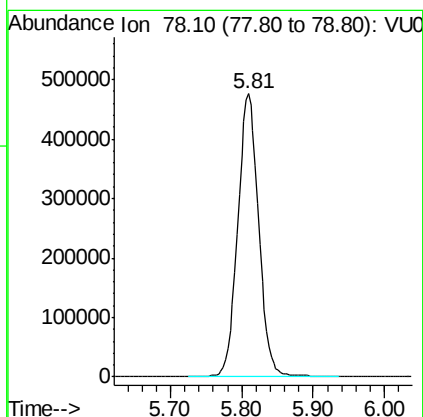
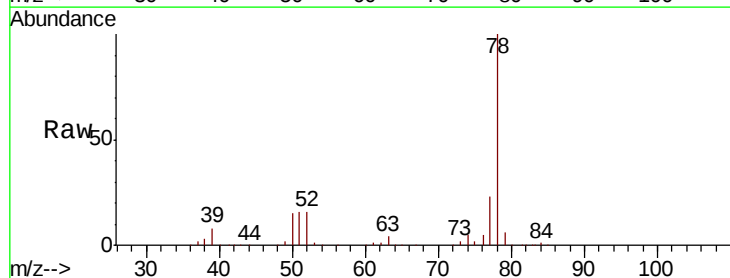
Instrument :
MSVOA_U
ClientSampleId :

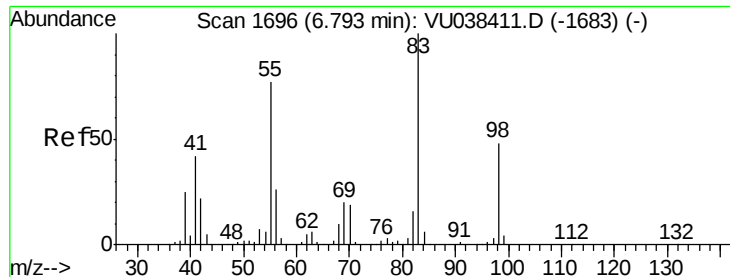
Tot Ion: 56 Resp: 7855
Ion Ratio Lower Upper
56 100
69 13.3 24.2 36.4#
84 91.1 70.8 106.2



#33
Benzene
Concen: 10.809 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU038415.D
Acq: 30 May 2020 16:01

Tgt Ion: 78 Resp: 979776

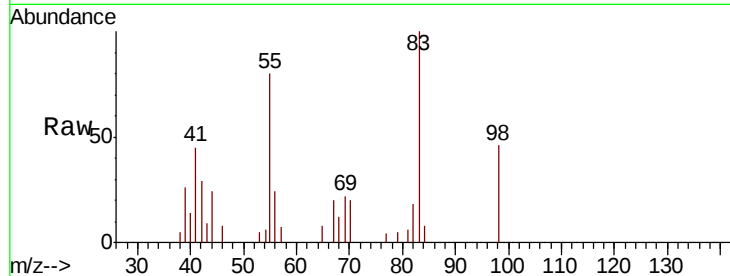




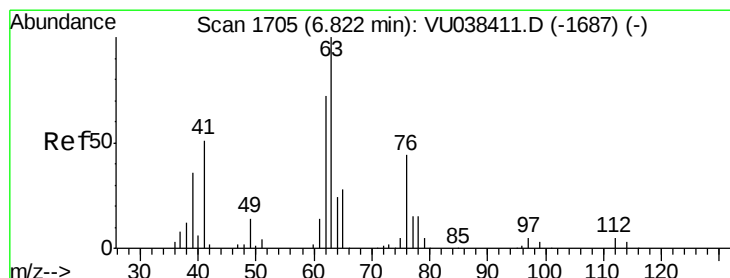
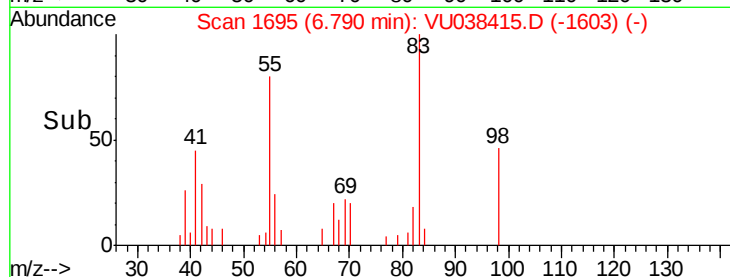
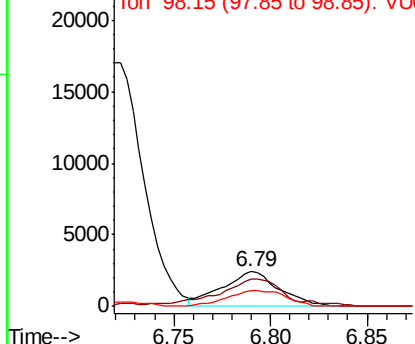
#35
Methvlcvclohexane
Concen: 0.137 ug/L
RT: 6.79 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU038415.D
Acq: 30 May 2020 16:01

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 4995
Ion Ratio Lower Upper
83 100
55 85.9 63.4 95.2
98 47.0 39.0 58.4

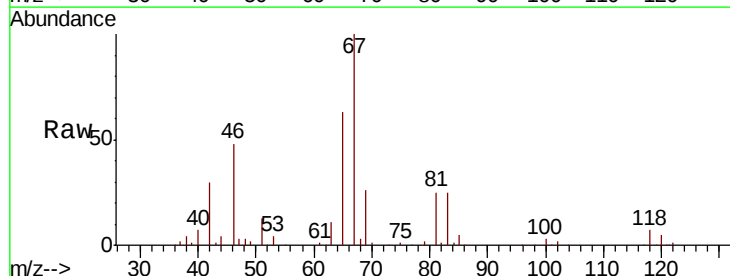


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

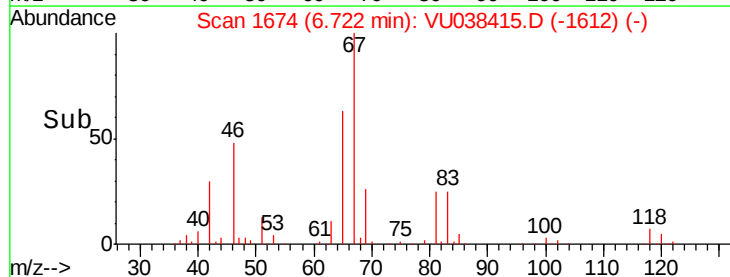
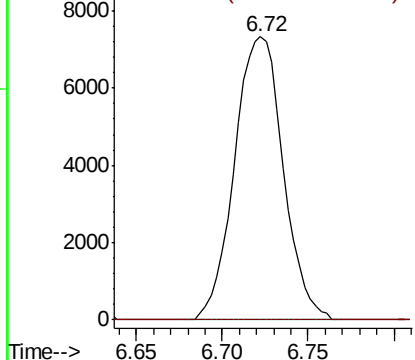


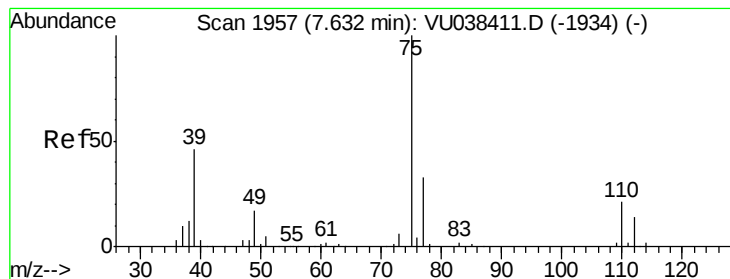
#37
1,2-Dichloropropane
Concen: 0.632 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU038415.D
Acq: 30 May 2020 16:01

Tgt Ion: 63 Resp: 14408
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



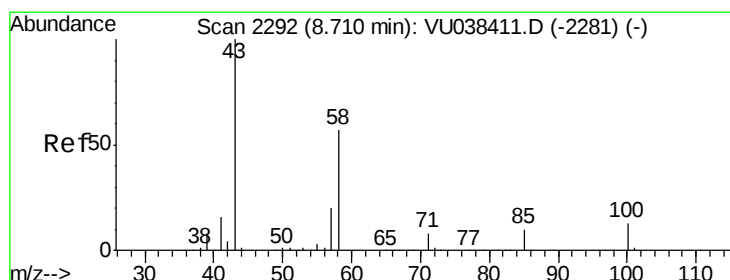
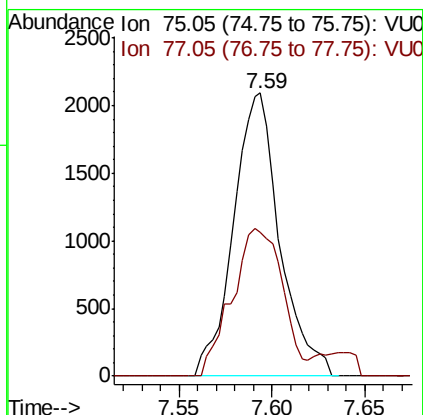
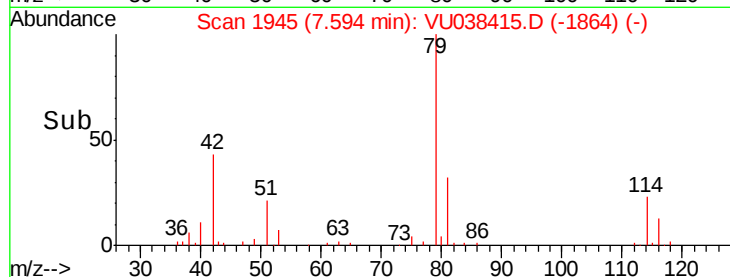
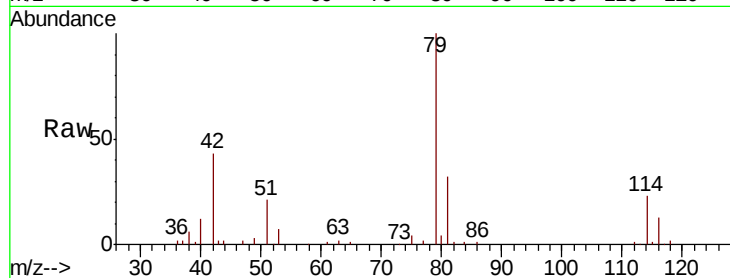


#39

cis-1,3-Dichloropropene
Concen: 0.107 ug/L
RT: 7.59 min Scan# 1945
Delta R.T. -0.04 min
Lab File: VU038415.D
Acq: 30 May 2020 16:01

Instrument :
MSVOA_U
ClientSampled :

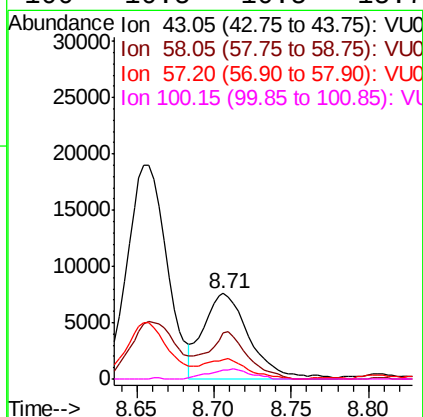
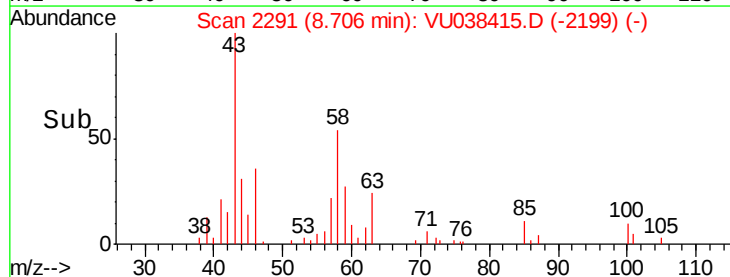
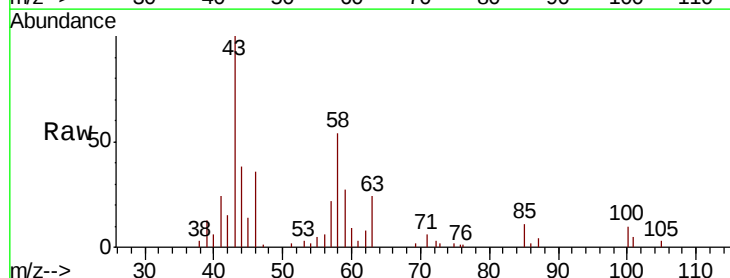
Tot Ion: 75 Resp: 3622
Ion Ratio Lower Upper
75 100
77 50.9 21.9 40.7#

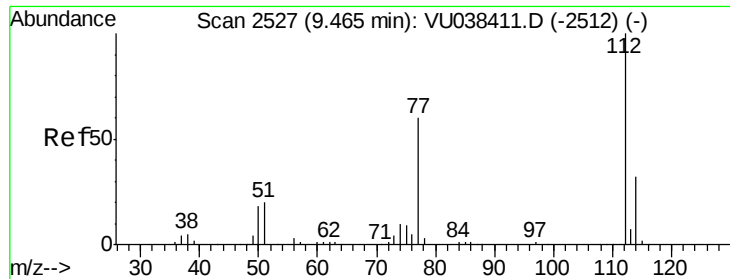


#48

2-Hexanone
Concen: 1.272 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038415.D
Acq: 30 May 2020 16:01

Tgt Ion: 43 Resp: 15714
Ion Ratio Lower Upper
43 100
58 46.8 45.4 68.0
57 22.5 15.9 23.9
100 10.5 10.5 15.7#





#51

Chlorobenzene

Concen: 3.952 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038415.D

Acq: 30 May 2020 16:01

Instrument :

MSVOA_U

ClientSampleId :

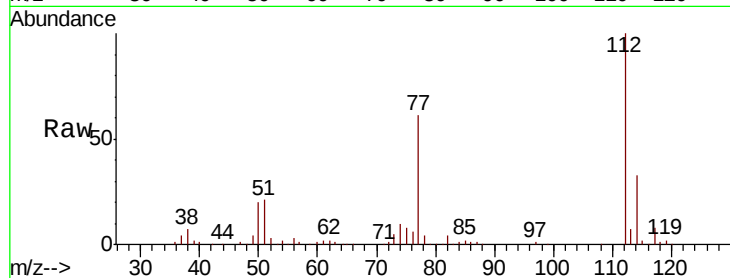
Tot Ion:112 Resp: 242332

Ion Ratio Lower Upper

112 100

114 32.7 22.4 41.6

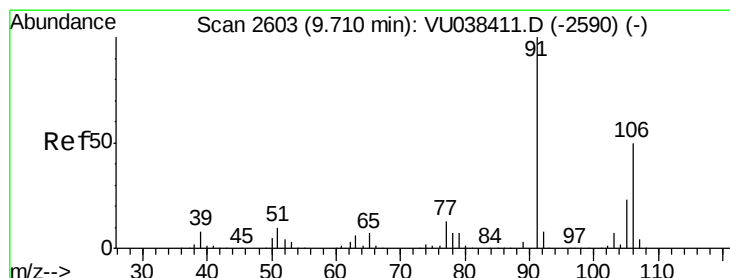
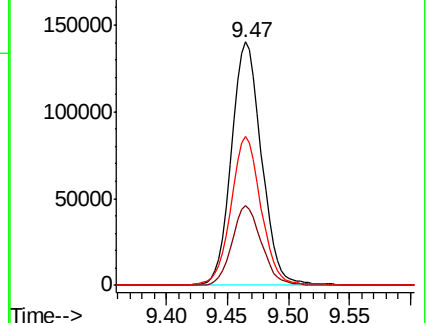
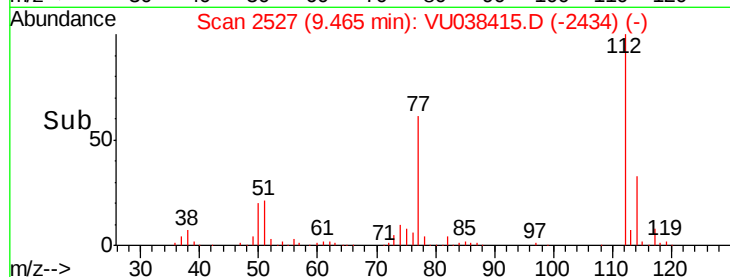
77 61.1 47.1 70.7



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU



#53

m,p-Xylene

Concen: 0.151 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038415.D

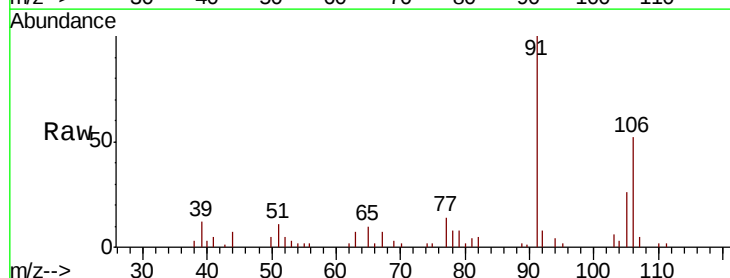
Acq: 30 May 2020 16:01

Tgt Ion:106 Resp: 6140

Ion Ratio Lower Upper

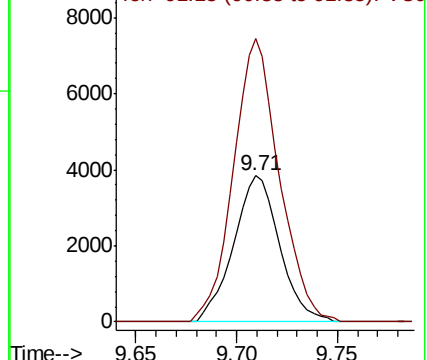
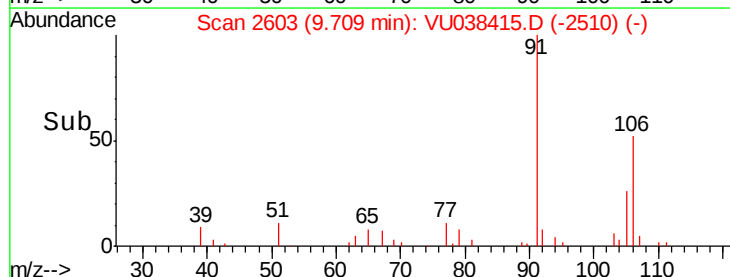
106 100

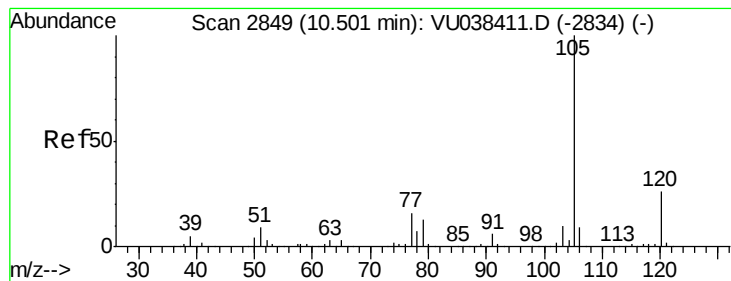
91 193.8 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU





#56

Isopropylbenzene

Concen: 0.160 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038415.D

Acq: 30 May 2020 16:01

Instrument :

MSVOA_U

ClientSampled :

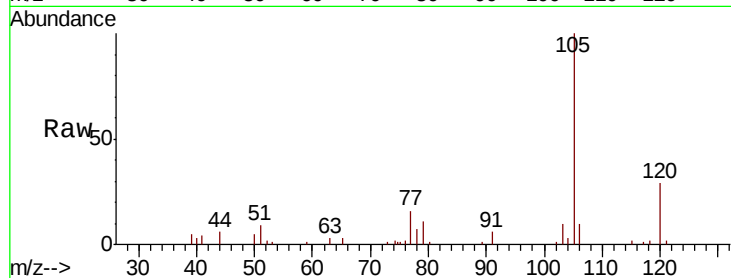
Tot Ion:105 Resp: 16472

Ion Ratio Lower Upper

105 100

120 26.9 20.7 31.1

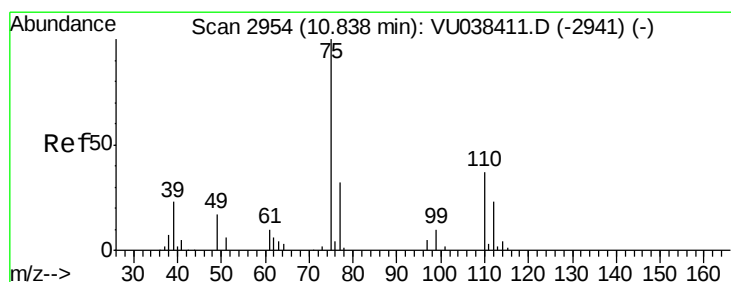
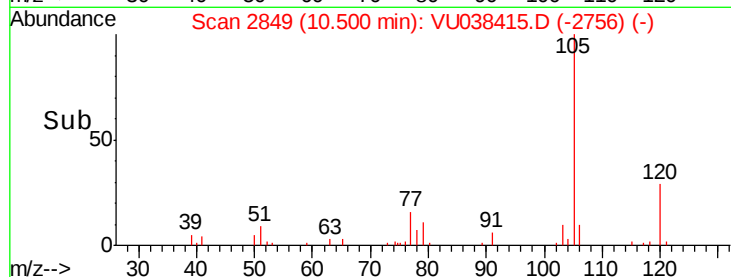
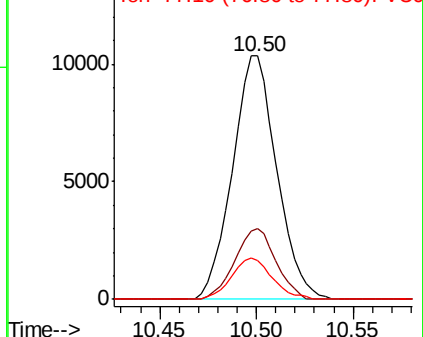
77 15.6 12.5 18.7



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: 1.735 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.99 min

Lab File: VU038415.D

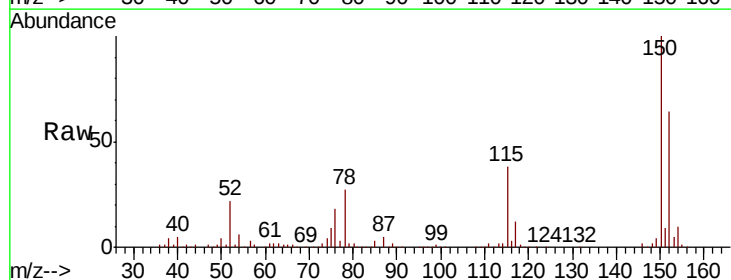
Acq: 30 May 2020 16:01

Tgt Ion: 75 Resp: 29537

Ion Ratio Lower Upper

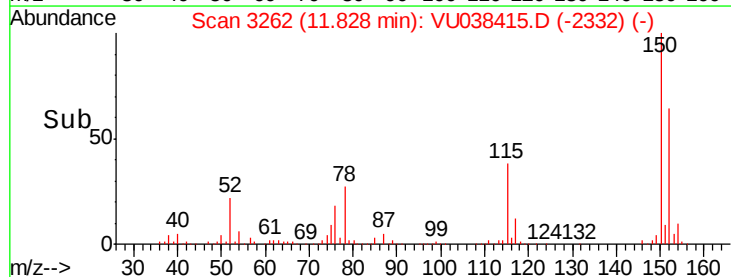
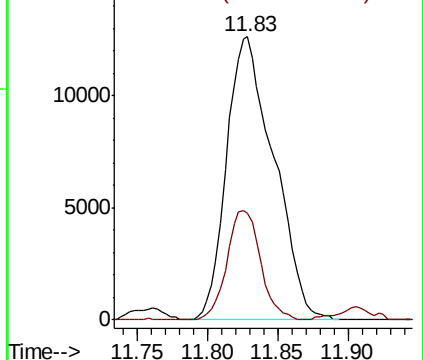
75 100

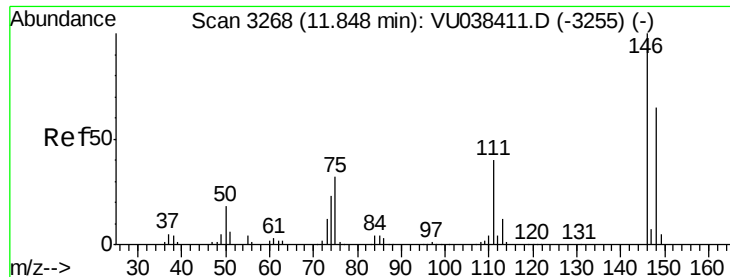
77 27.5 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

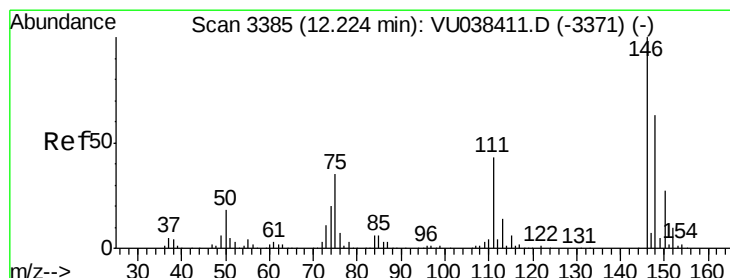
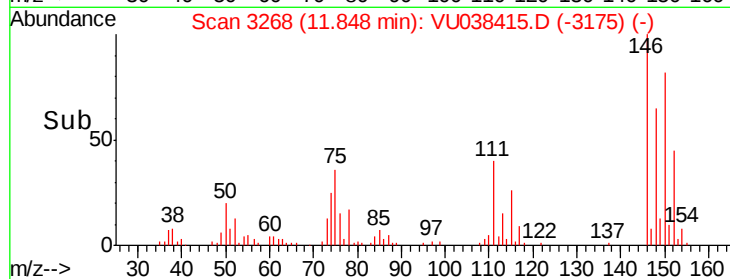
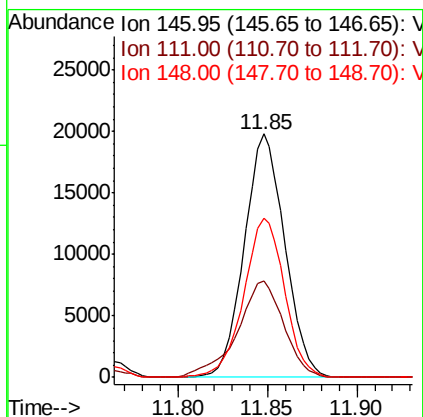
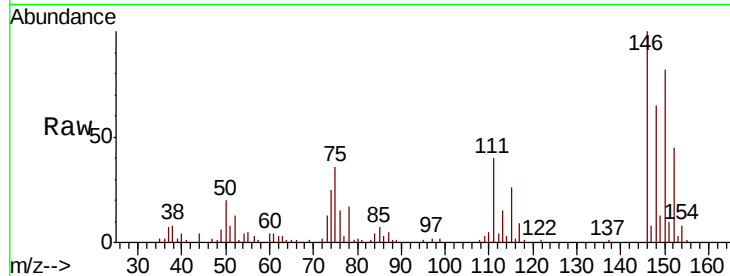




#63
1,4-Dichlorobenzene
Concen: 0.666 ug/L
RT: 11.85 min Scan# 3268
Delta R.T. -0.00 min
Lab File: VU038415.D
Acq: 30 May 2020 16:01

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:146 Resp: 31397
Ion Ratio Lower Upper
146 100
111 39.7 27.6 51.2
148 65.4 44.8 83.2



#65
1,2-Dichlorobenzene
Concen: 0.738 ug/L
RT: 12.22 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VU038415.D
Acq: 30 May 2020 16:01

Tgt Ion:146 Resp: 32576
Ion Ratio Lower Upper
146 100
111 45.1 35.1 52.7
148 64.8 50.9 76.3

