

Data File : VU030484.D
Acq On : 27 Mar 2019 15:30
Operator : JC/SP
Sample : K2022-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09C7

Quant Time: Mar 28 01:31:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 01:25:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	426056	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	416948	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	183340	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	153957	44.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.80%
7) Chloroethane-d5	1.68	69	132530	48.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.52%
11) 1,1-Dichloroethene-d2	2.42	63	181	0.03	ug/L	0.15
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.06%#
21) 2-Butanone-d5	4.17	46	316343	98.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.14%
24) Chloroform-d	4.65	84	288349	48.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.62%
26) 1,2-Dichloroethane-d4	5.31	65	197204	51.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.02%
32) Benzene-d6	5.34	84	583505	48.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.33	67	210749	51.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.04%
41) Toluene-d8	7.56	98	507206	47.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.46%
43) trans-1,3-Dichloropropene-	7.85	79	92278	47.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.94%
47) 2-Hexanone-d5	8.31	63	205066	92.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.50%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	286517	48.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.88%
64) 1,2-Dichlorobenzene-d4	11.86	152	184678	50.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.54%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2034	0.654	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	1786	0.586	ug/L #	1
13) Acetone	2.32	43	8879	2.724	ug/L	99
33) Benzene	5.39	78	9829	0.693	ug/L	100
39) cis-1,3-Dichloropropene	7.22	75	5227	0.903	ug/L #	70
42) Toluene	7.64	91	8030	0.545	ug/L	96
44) trans-1,3-Dichloropropene	7.85	75	3808	0.748	ug/L	85
48) 2-Hexanone	8.37	43	7393	1.333	ug/L #	82
51) Chlorobenzene	9.12	112	813263	91.097	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	368776	61.507	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	438468	71.037	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	69348	11.439	ug/L	99
67) 1,3,5-Trichlorobenzene	13.50	180	246724	54.967	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	246724	63.263	ug/L	100
69) Naphthalene	13.75	128	4162	0.300	ug/L #	81
70) 1,2,3-Trichlorobenzene	13.98	180	42358	10.286	ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032719\
Quantitation Report (Not Reviewed)

Data File : VU030484.D
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Quant Title : VOC Analysis
QLast Update : Thu Mar 28 01:25:46 2019
Response via : Initial Calibration

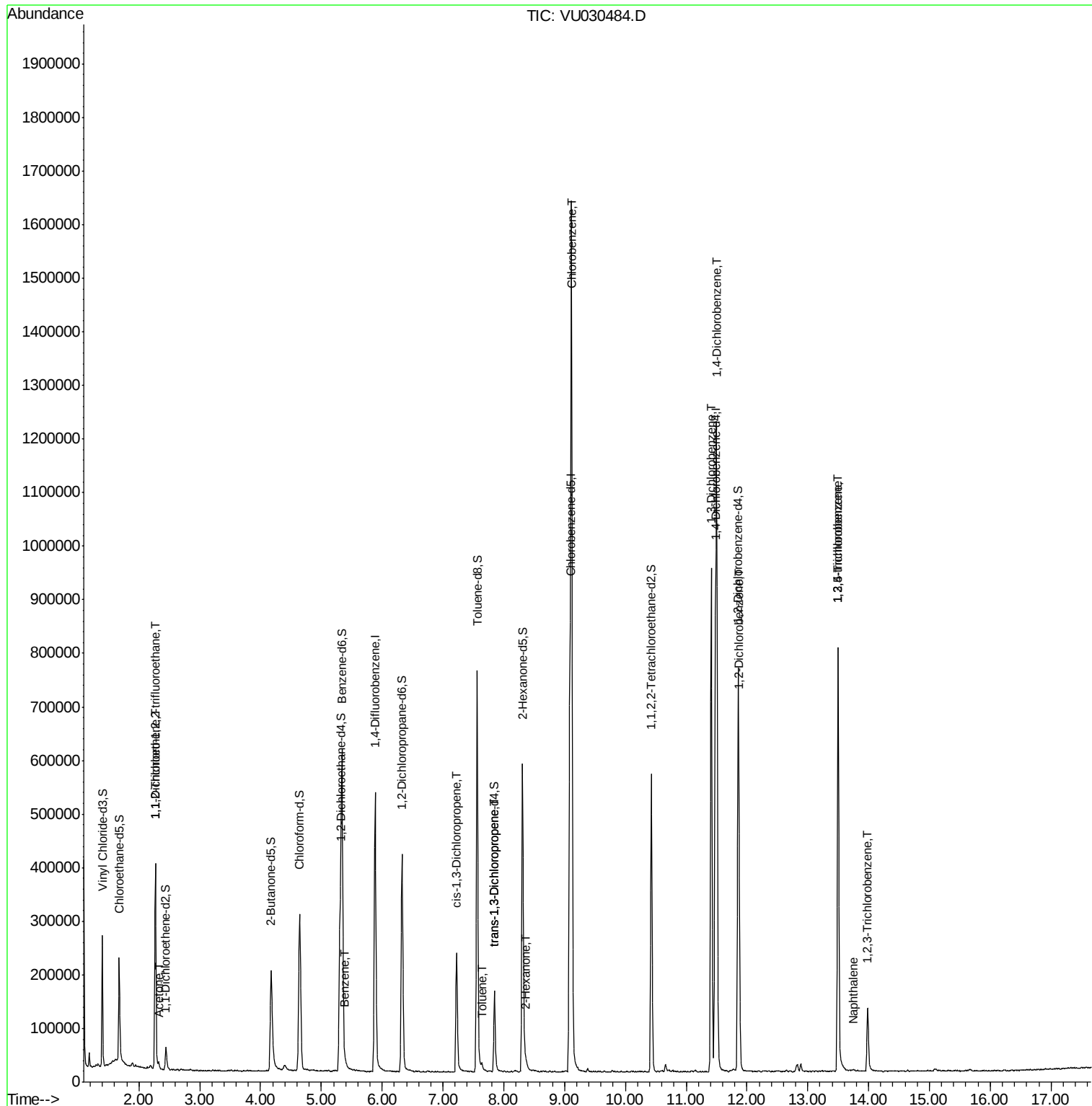
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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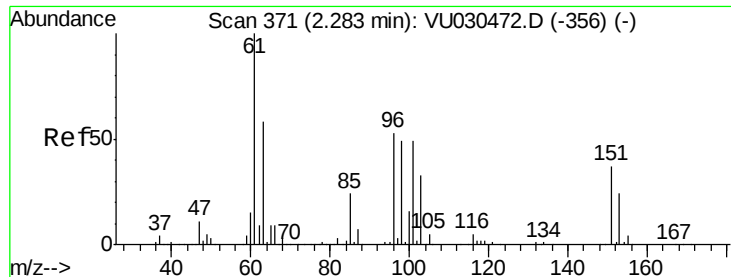
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.654 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030484.D

Acq: 27 Mar 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

C09C7

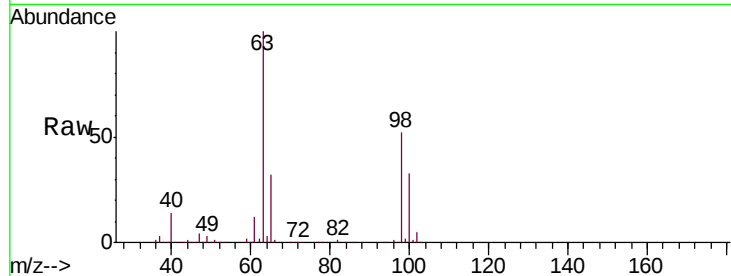
Tgt Ion: 101 Resp: 2034

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

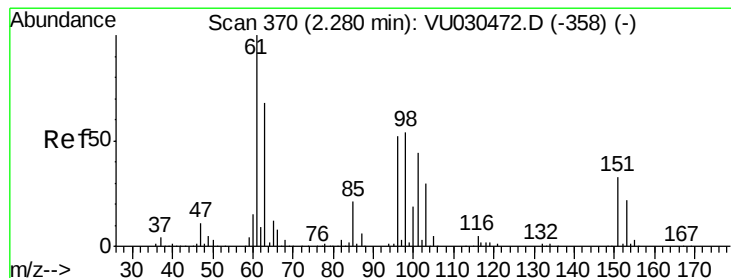
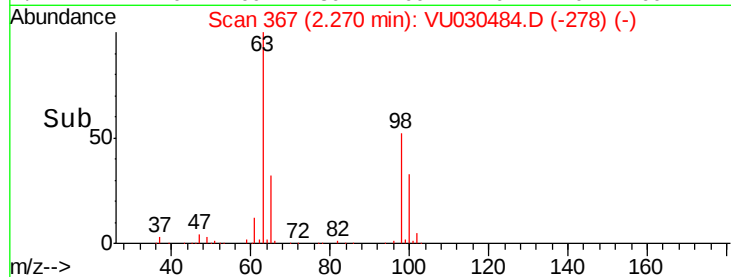
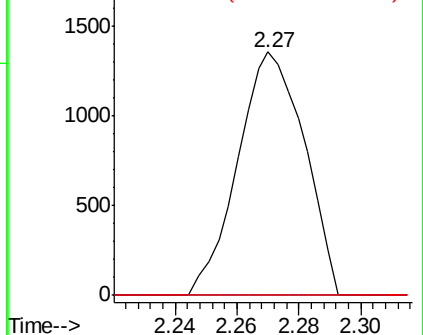
151 0.0 56.6 85.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.586 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030484.D

Acq: 27 Mar 2019 15:30

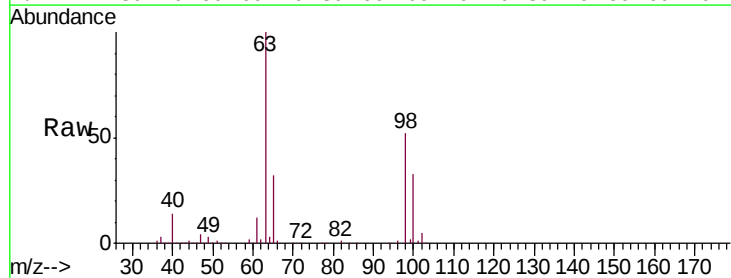
Tgt Ion: 96 Resp: 1786

Ion Ratio Lower Upper

96 100

61 1386.4 131.0 243.4#

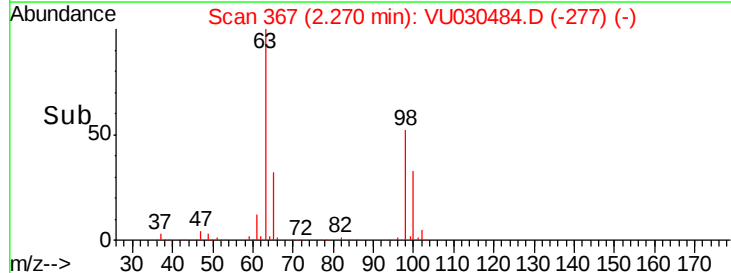
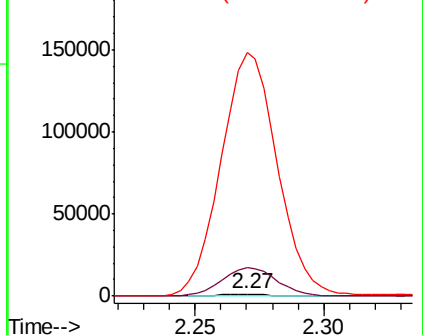
63 11891.6 92.4 171.6#

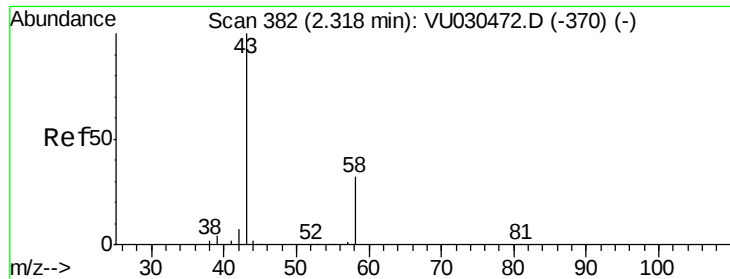


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.724 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030484.D

Acq: 27 Mar 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

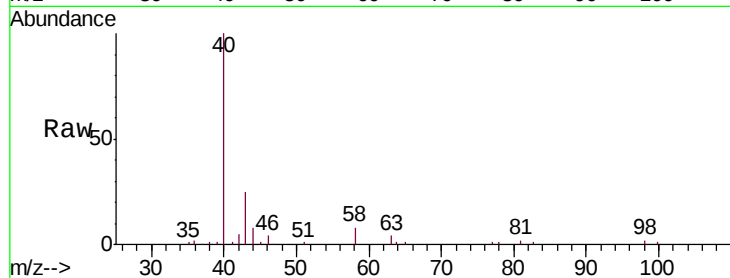
C09C7

Tgt Ion: 43 Resp: 8879

Ion Ratio Lower Upper

43 100

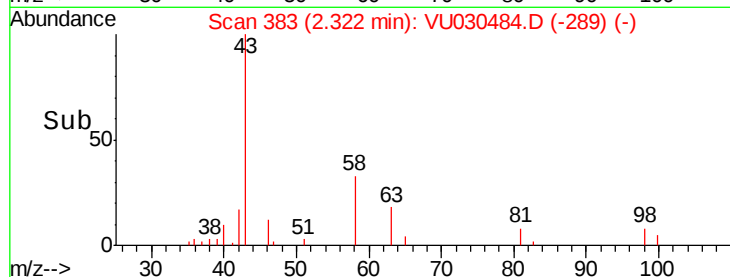
58 30.9 0.0 62.8



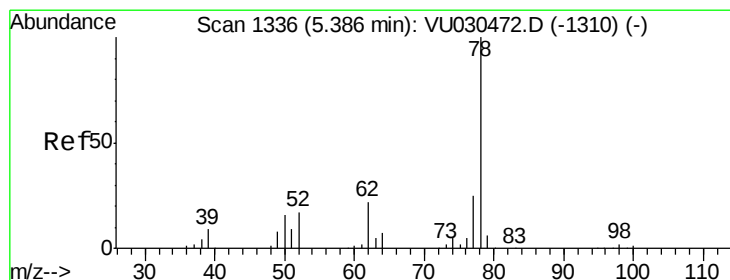
Abundance Ion 43.00 (42.70 to 43.70): VU030472.D (-370) (-)

Ion 58.00 (57.70 to 58.70): VU030472.D (-370) (-)

Time-->



Time-->



#33

Benzene

Concen: 0.693 ug/L

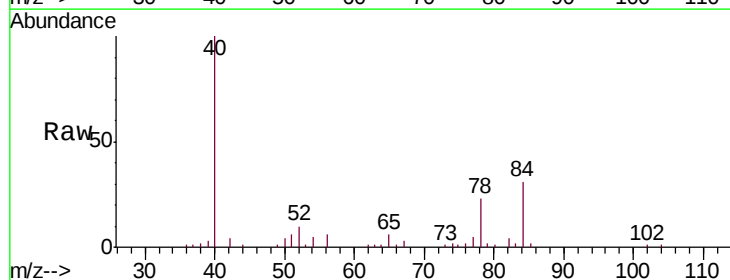
RT: 5.39 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU030484.D

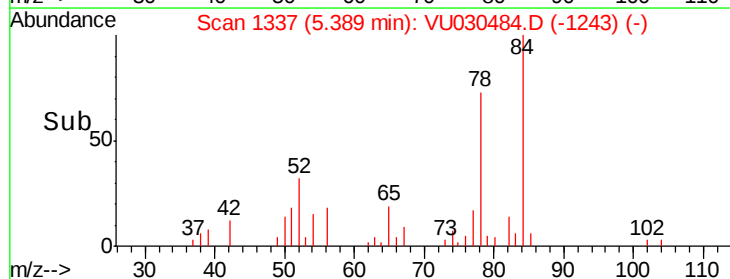
Acq: 27 Mar 2019 15:30

Tgt Ion: 78 Resp: 9829

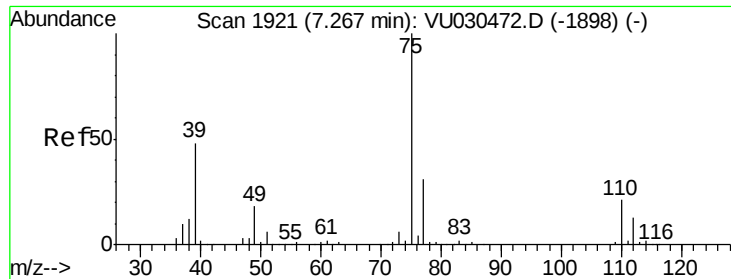


Abundance Ion 78.00 (77.70 to 78.70): VU030472.D (-1310) (-)

Time-->



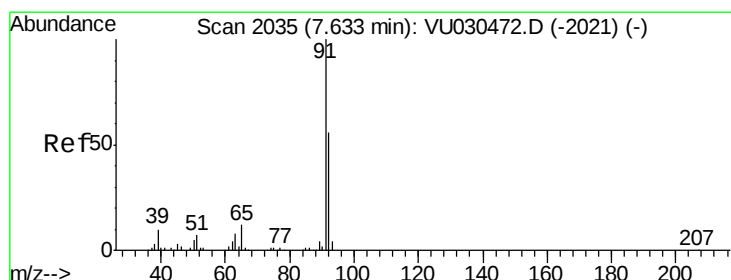
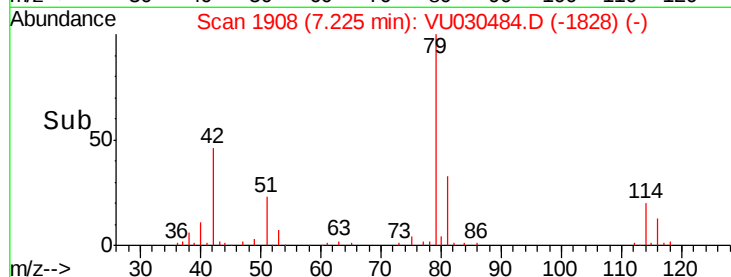
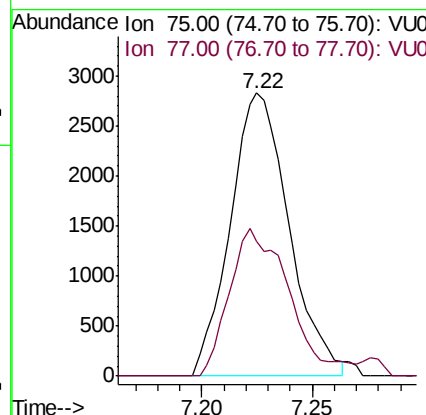
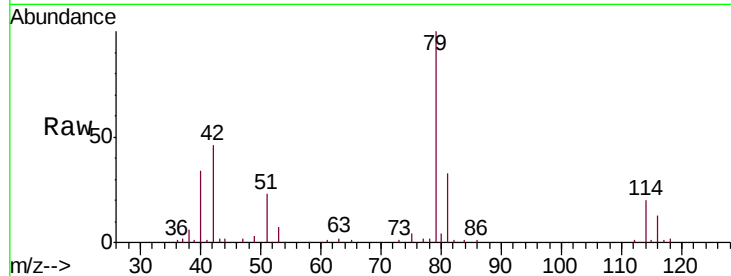
Time-->



#39
 cis-1,3-Dichloropropene
 Concen: 0.903 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU030484.D
 Acq: 27 Mar 2019 15:30

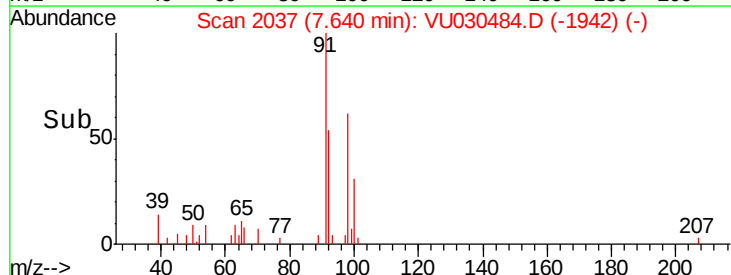
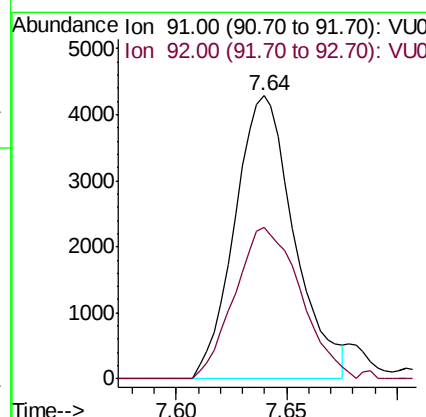
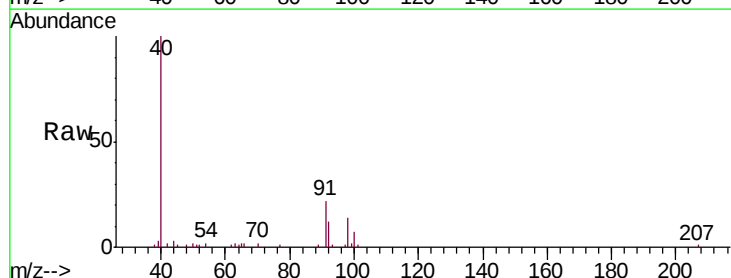
Instrument :
 MSVOA_U
 ClientSampleId :
 C09C7

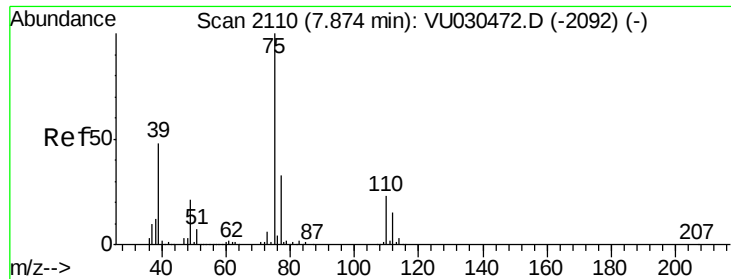
Tgt Ion: 75 Resp: 5227
 Ion Ratio Lower Upper
 75 100
 77 47.9 21.8 40.6#



#42
 Toluene
 Concen: 0.545 ug/L
 RT: 7.64 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VU030484.D
 Acq: 27 Mar 2019 15:30

Tgt Ion: 91 Resp: 8030
 Ion Ratio Lower Upper
 91 100
 92 53.6 39.7 73.7

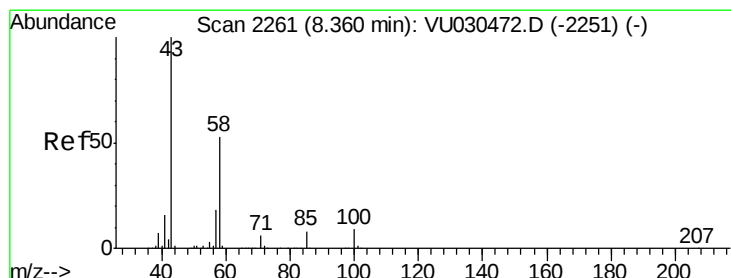
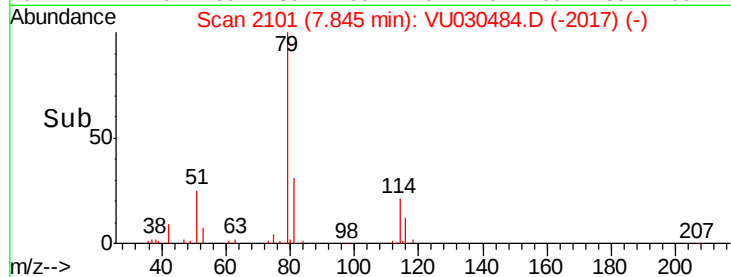
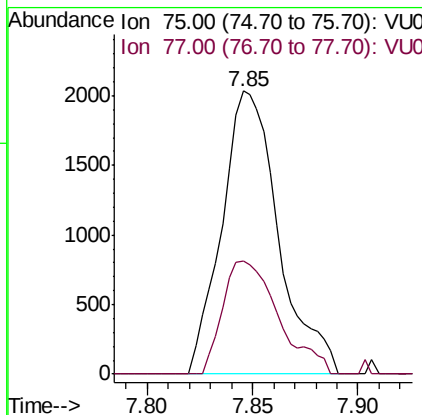
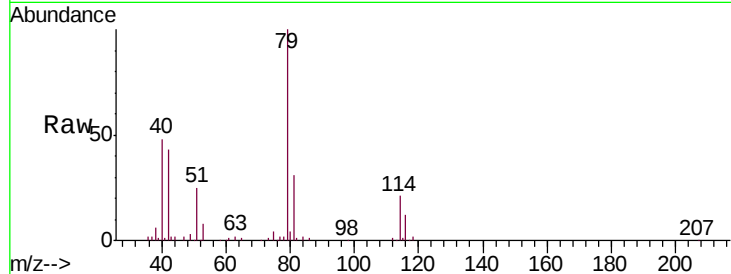




#44
trans-1,3-Dichloropropene
Concen: 0.748 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU030484.D
Acq: 27 Mar 2019 15:30

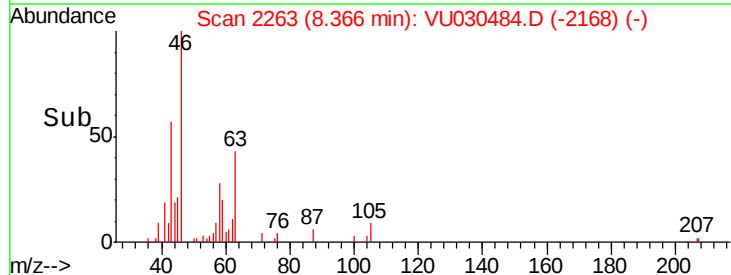
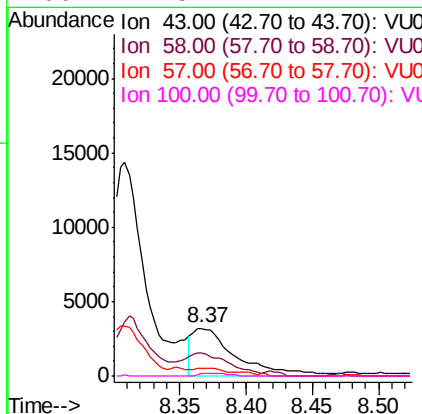
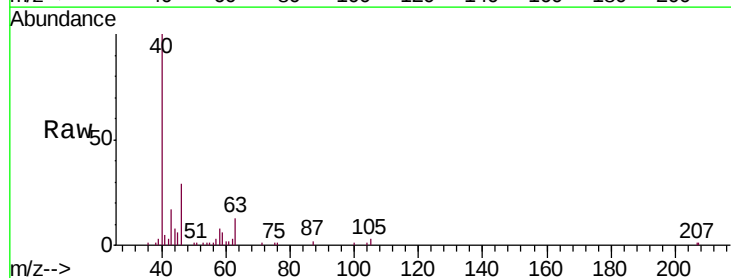
Instrument :
MSVOA_U
ClientSampleId :
C09C7

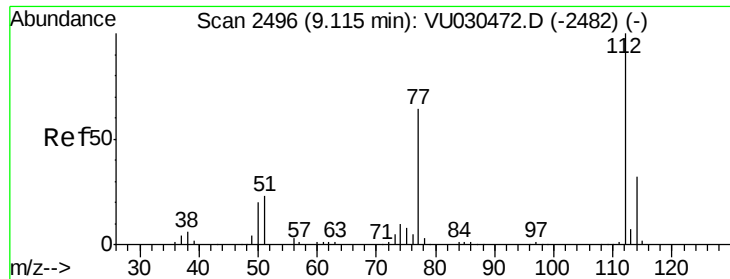
Tgt Ion: 75 Resp: 3808
Ion Ratio Lower Upper
75 100
77 39.9 22.0 40.8



#48
2-Hexanone
Concen: 1.333 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU030484.D
Acq: 27 Mar 2019 15:30

Tgt Ion: 43 Resp: 7393
Ion Ratio Lower Upper
43 100
58 46.2 42.5 63.7
57 0.7 15.0 22.6#
100 1.5 7.4 11.2#





#51

Chlorobenzene

Concen: 91.097 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU030484.D

Acq: 27 Mar 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

C09C7

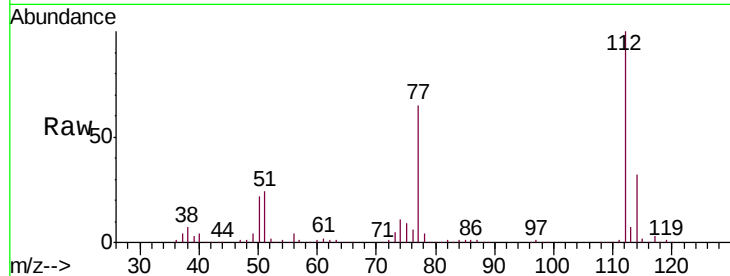
Tgt Ion:112 Resp: 813263

Ion Ratio Lower Upper

112 100

114 31.8 21.5 39.9

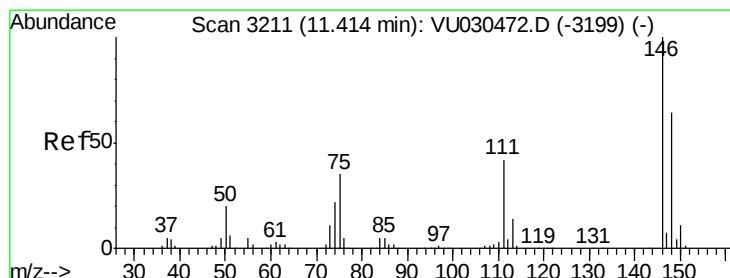
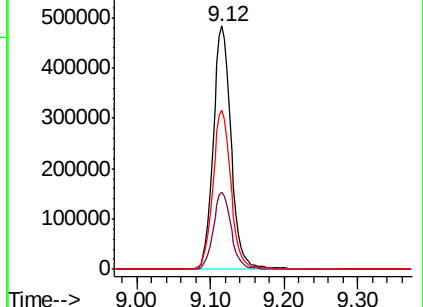
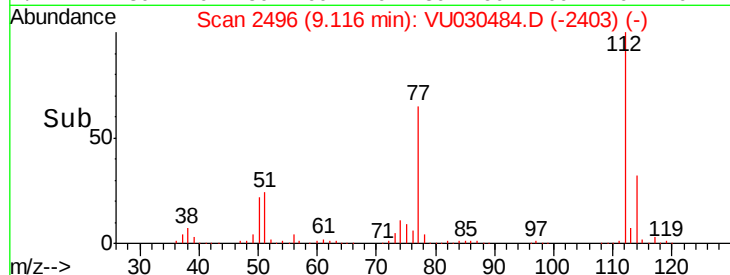
77 65.4 51.4 77.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0



#62

1,3-Dichlorobenzene

Concen: 61.507 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU030484.D

Acq: 27 Mar 2019 15:30

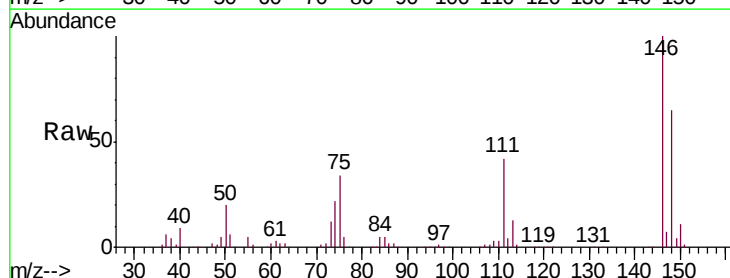
Tgt Ion:146 Resp: 368776

Ion Ratio Lower Upper

146 100

111 42.4 29.2 54.2

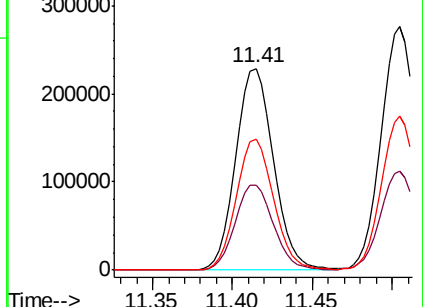
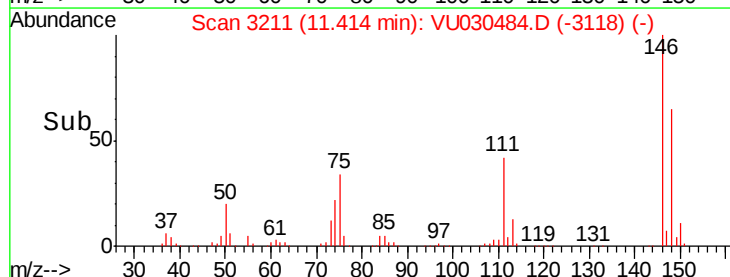
148 64.8 44.4 82.4

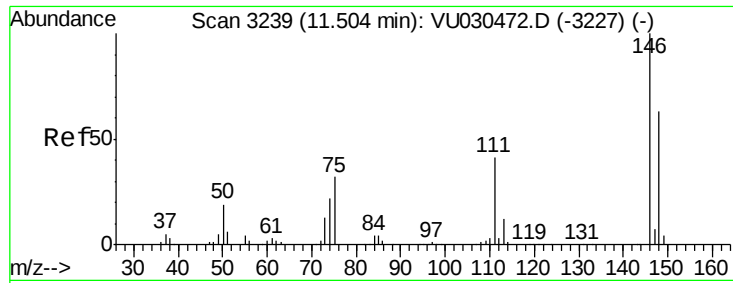


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

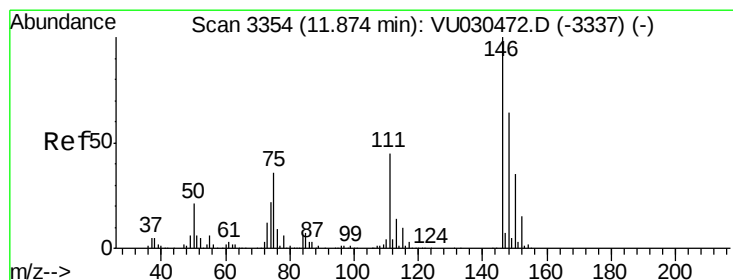
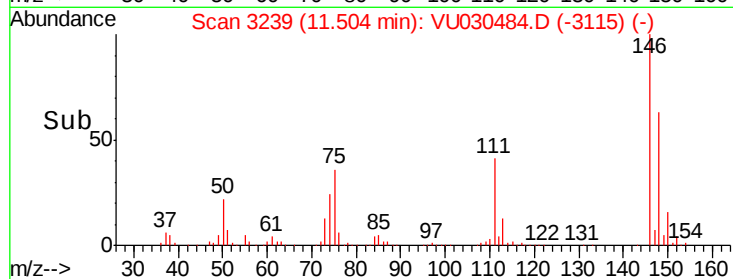
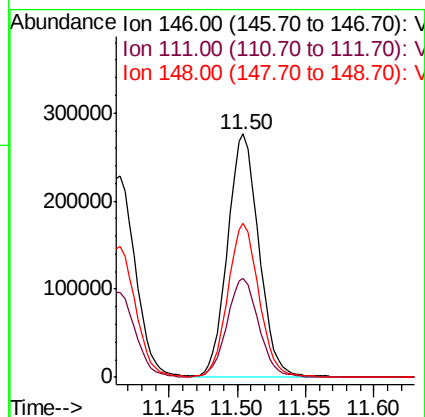
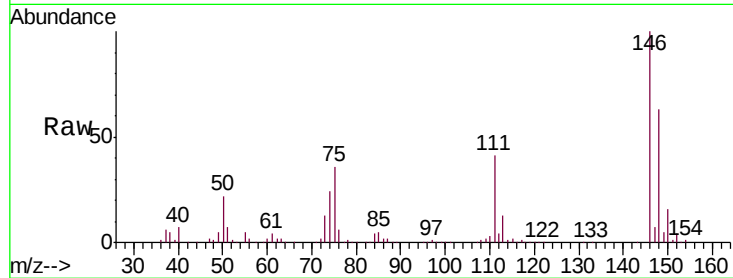




#63
 1,4-Dichlorobenzene
 Concen: 71.037 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030484.D
 Acq: 27 Mar 2019 15:30

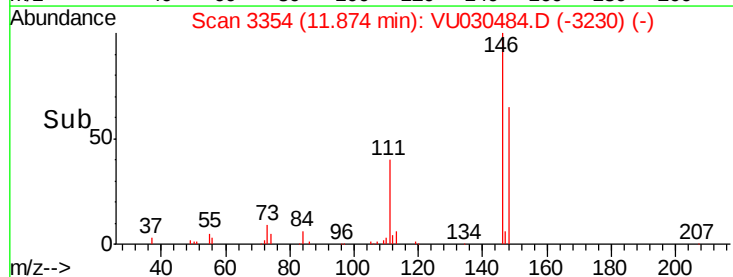
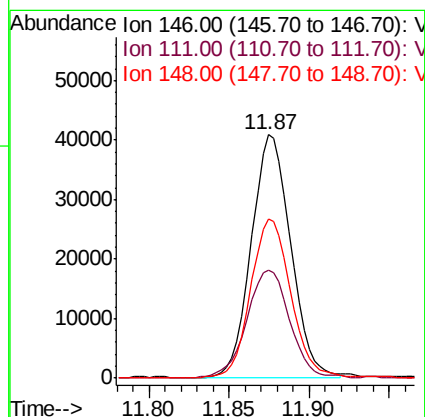
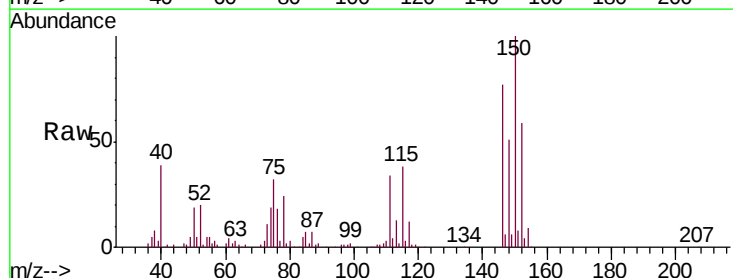
Instrument :
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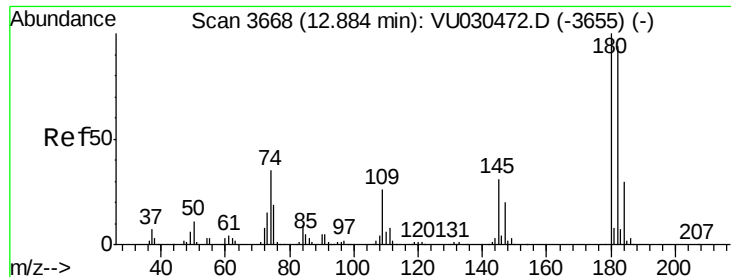
Tgt Ion:146 Resp: 438468
 Ion Ratio Lower Upper
 146 100
 111 40.8 28.7 53.3
 148 63.1 44.3 82.3



#65
 1,2-Dichlorobenzene
 Concen: 11.439 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU030484.D
 Acq: 27 Mar 2019 15:30

Tgt Ion:146 Resp: 69348
 Ion Ratio Lower Upper
 146 100
 111 44.1 34.9 52.3
 148 65.4 51.2 76.8

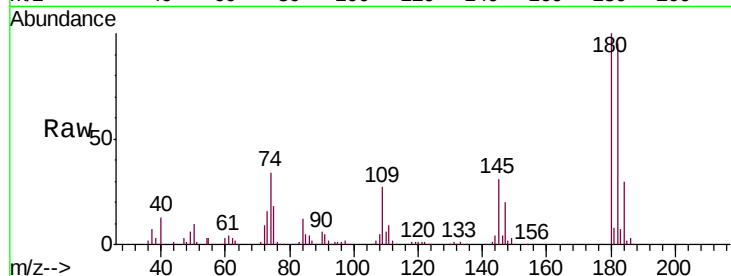




#67
 1,3,5-Trichlorobenzene
 Concen: 54.967 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.61 min
 Lab File: VU030484.D
 Acq: 27 Mar 2019 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 C09C7

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.9	113.9
184	29.2	24.1	36.1
145	30.0	23.8	35.8



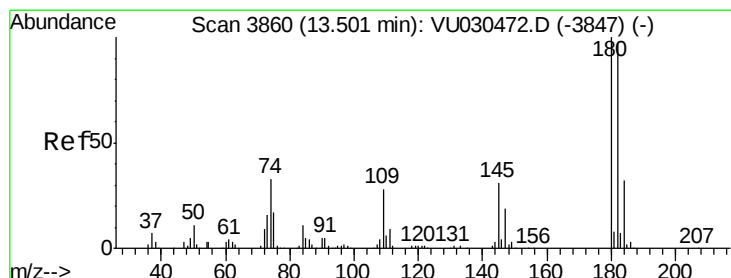
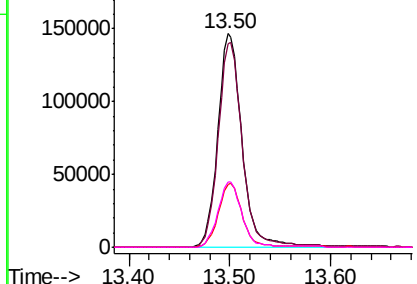
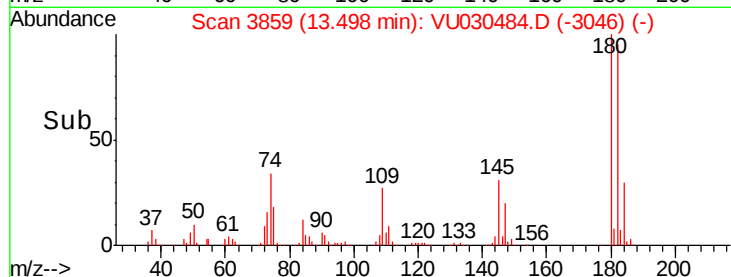
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

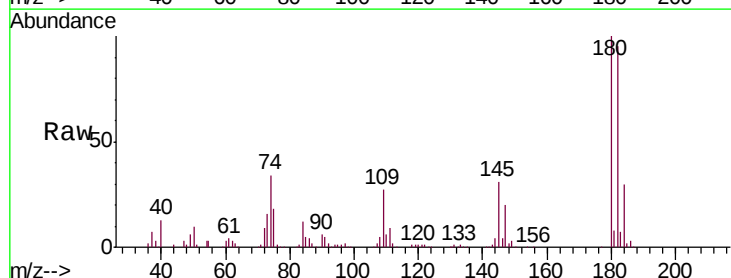
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 63.263 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU030484.D
 Acq: 27 Mar 2019 15:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.1	114.1
145	30.0	24.5	36.7

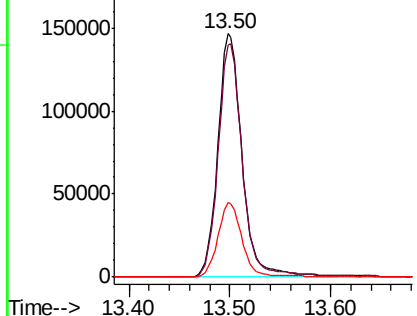
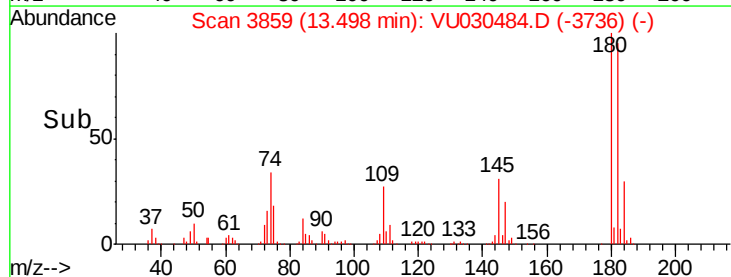


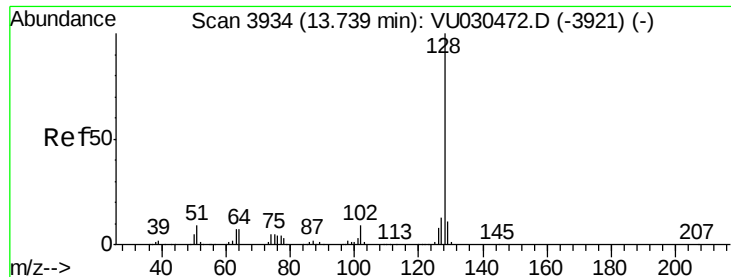
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 0.300 ug/L

RT: 13.75 min Scan# 3937

Delta R.T. 0.01 min

Lab File: VU030484.D

Acq: 27 Mar 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

C09C7

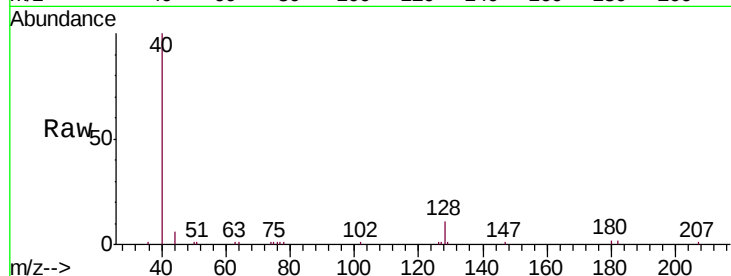
Tgt Ion:128 Resp: 4162

Ion Ratio Lower Upper

128 100

127 4.4 10.4 15.6#

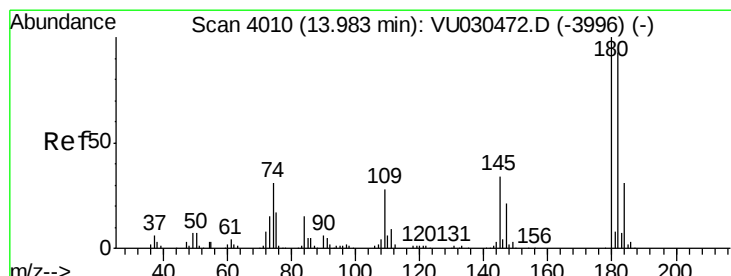
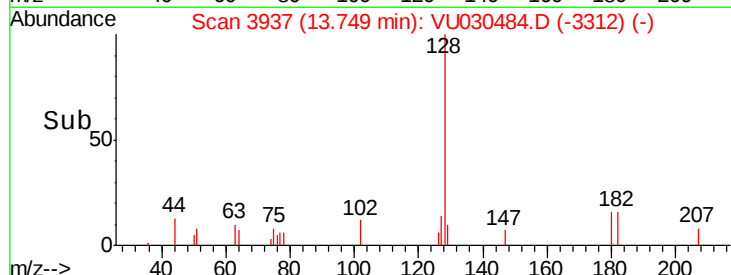
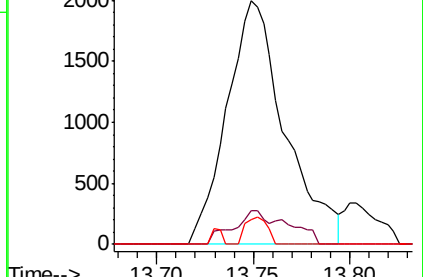
129 4.2 8.4 12.6#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 10.286 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU030484.D

Acq: 27 Mar 2019 15:30

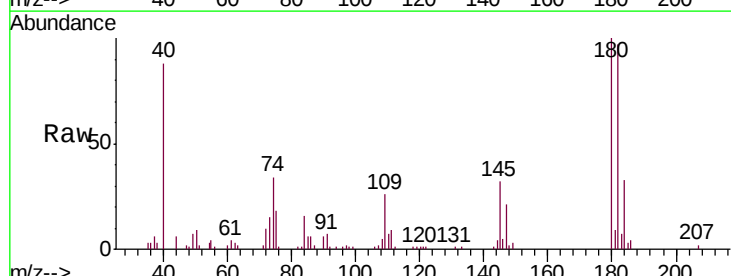
Tgt Ion:180 Resp: 42358

Ion Ratio Lower Upper

180 100

182 91.0 77.4 116.2

145 31.1 25.9 38.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

