

Data File : VU030418.D
Acq On : 25 Mar 2019 21:28
Operator : JC/SP
Sample : K2070-04RE
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09A6

Quant Time: Mar 26 01:32:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 01:25:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	454986	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	430602	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	174287	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	196210	53.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.18%
7) Chloroethane-d5	1.68	69	151255	52.12	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.24%
11) 1,1-Dichloroethene-d2	2.27	63	265647	38.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.48%
21) 2-Butanone-d5	4.17	46	314774	91.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.45%
24) Chloroform-d	4.65	84	302229	47.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.82%
26) 1,2-Dichloroethane-d4	5.31	65	203840	49.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.76%
32) Benzene-d6	5.34	84	626839	50.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.52%
36) 1,2-Dichloropropane-d6	6.33	67	220721	52.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.48%
41) Toluene-d8	7.56	98	541570	48.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.66%
43) trans-1,3-Dichloropropene-	7.85	79	91501	46.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.12%
47) 2-Hexanone-d5	8.31	63	203350	88.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.82%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	282382	46.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.42%
64) 1,2-Dichlorobenzene-d4	11.86	152	177048	50.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

						Qvalue
8) Chloroethane	1.40	64	16654	5.541	ug/L	89
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2058	0.620	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	1860	0.571	ug/L #	1
13) Acetone	2.32	43	16360	4.700	ug/L	97
33) Benzene	5.39	78	17710	1.208	ug/L	100
39) cis-1,3-Dichloropropene	7.23	75	5087	0.851	ug/L #	61
44) trans-1,3-Dichloropropene	7.85	75	3556	0.676	ug/L	85
48) 2-Hexanone	8.36	43	5494	0.959	ug/L #	47
51) Chlorobenzene	9.12	112	43108	4.676	ug/L	96
59) 1,2,3-Trichloropropane	11.48	75	31239	6.170	ug/L	89
62) 1,3-Dichlorobenzene	11.42	146	4200	0.737	ug/L	92
63) 1,4-Dichlorobenzene	11.50	146	22983	3.917	ug/L	97
65) 1,2-Dichlorobenzene	11.87	146	20068	3.482	ug/L	100
67) 1,3,5-Trichlorobenzene	13.50	180	13847	3.245	ug/L	93
68) 1,2,4-trichlorobenzene	13.50	180	13847	3.735	ug/L	93
70) 1,2,3-Trichlorobenzene	13.99	180	1898	0.485	ug/L #	49

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032519\
Quantitation Report (Not Reviewed)

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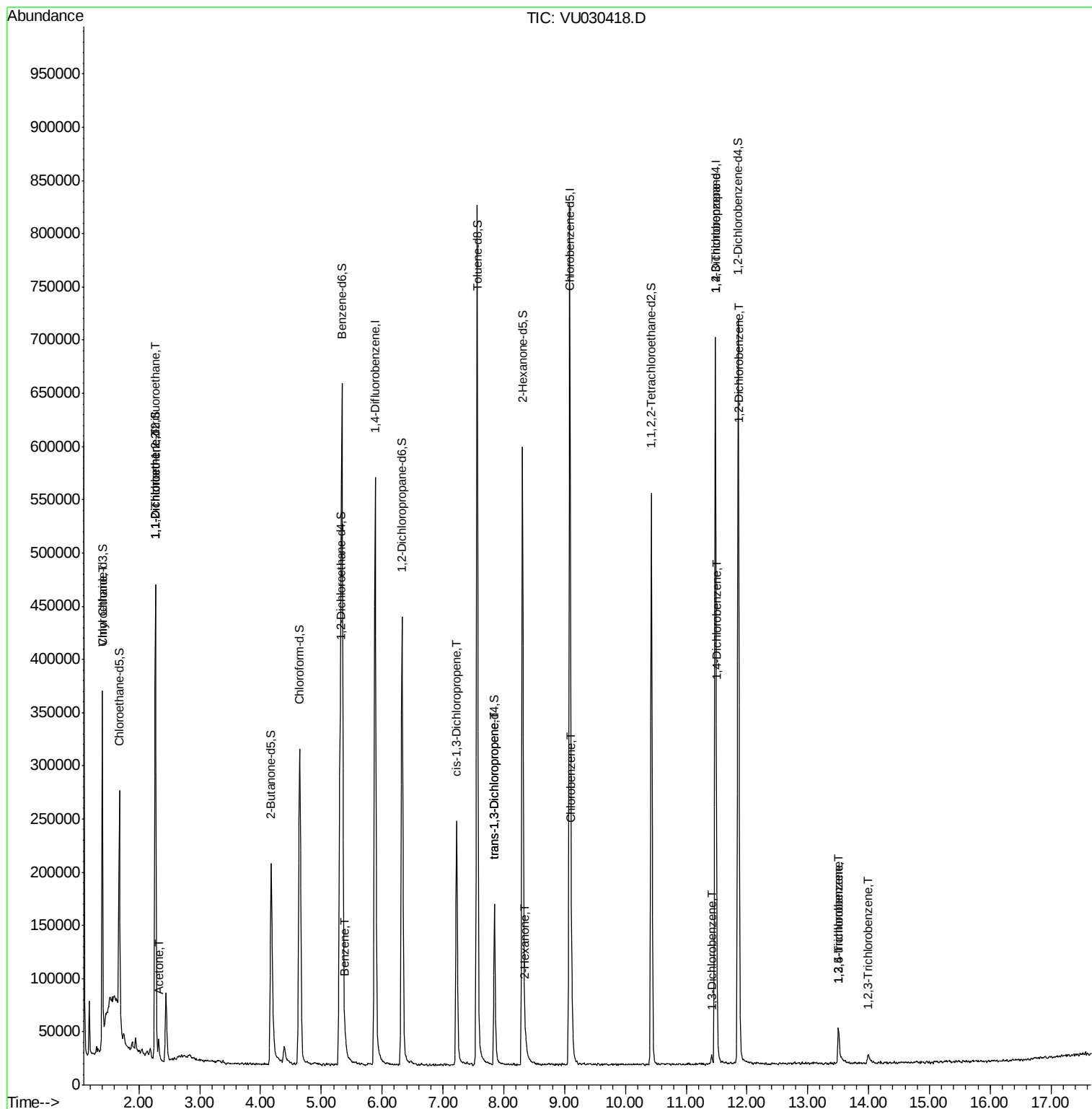
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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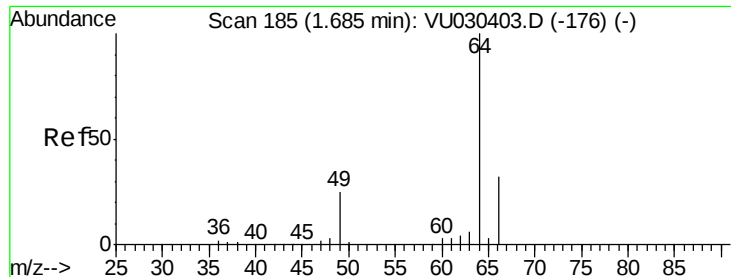
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 5.541 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.28 min

Lab File: VU030418.D

Acq: 25 Mar 2019 21:28

Instrument :

MSVOA_U

ClientSampleId :

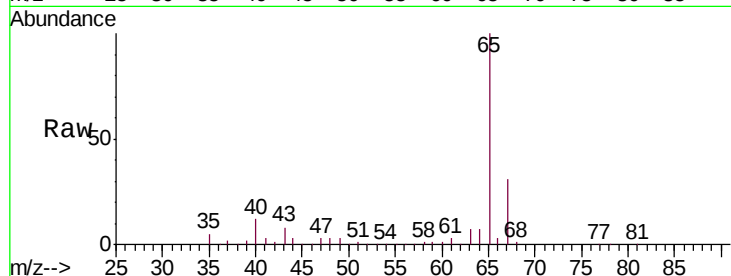
C09A6

Tgt Ion: 64 Resp: 16654

Ion Ratio Lower Upper

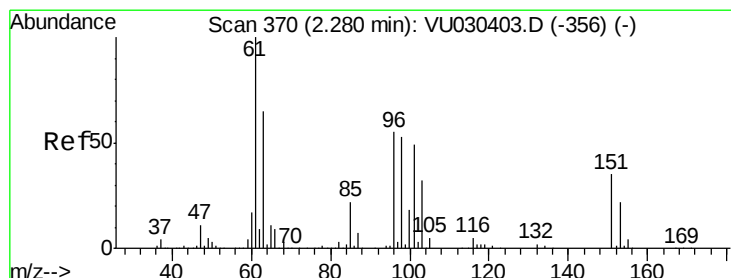
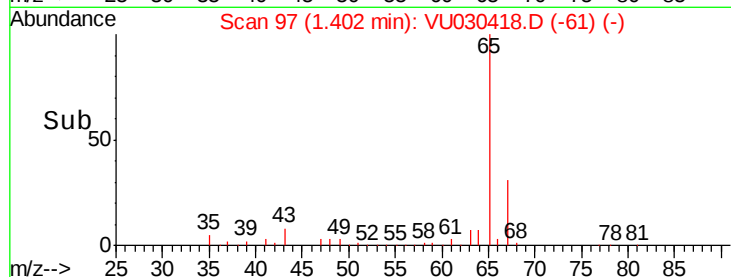
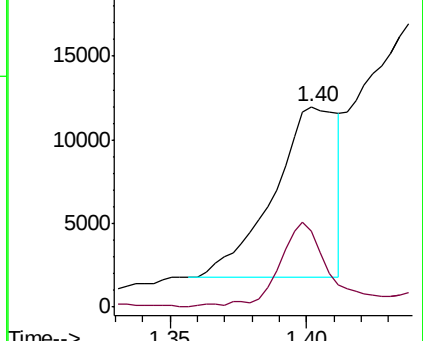
64 100

66 38.0 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VU030418.D (-61) (-)

Ion 66.00 (65.70 to 66.70): VU030418.D (-61) (-)



#10

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

Concen: 0.620 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030418.D

Acq: 25 Mar 2019 21:28

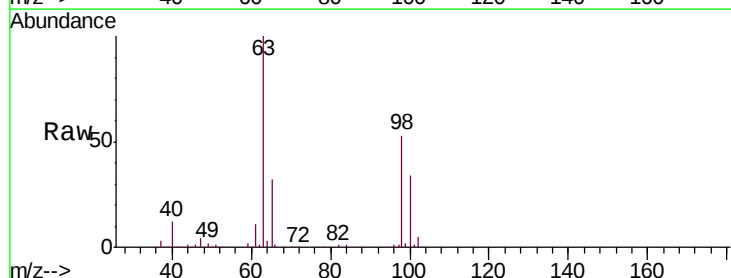
Tgt Ion: 101 Resp: 2058

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

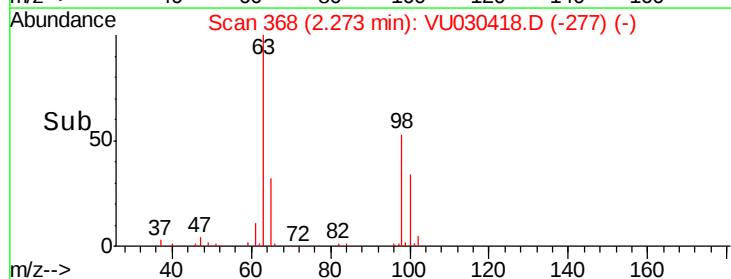
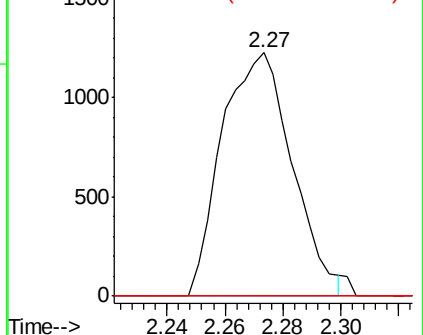
151 0.0 56.6 85.0#

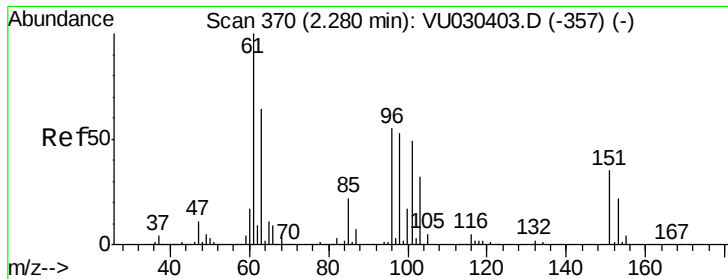


Abundance Ion 101.00 (100.70 to 101.70): VU030418.D (-277) (-)

Ion 85.00 (84.70 to 85.70): VU030418.D (-277) (-)

Ion 151.00 (150.70 to 151.70): VU030418.D (-277) (-)

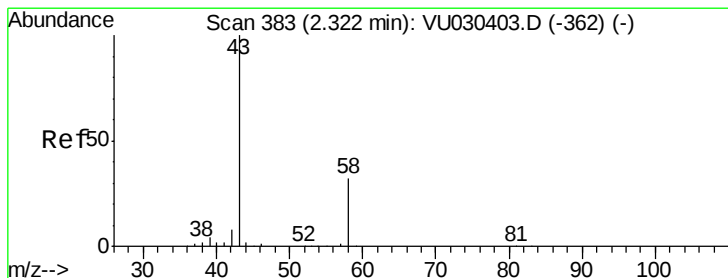
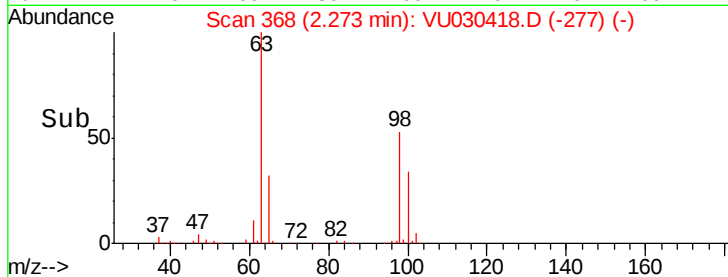
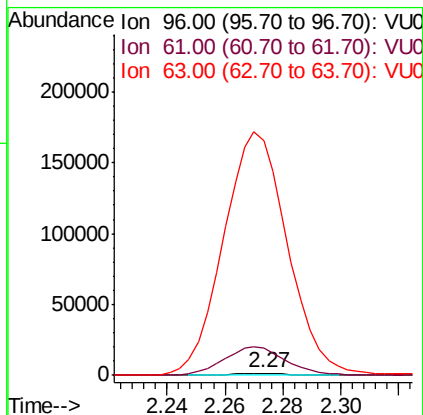
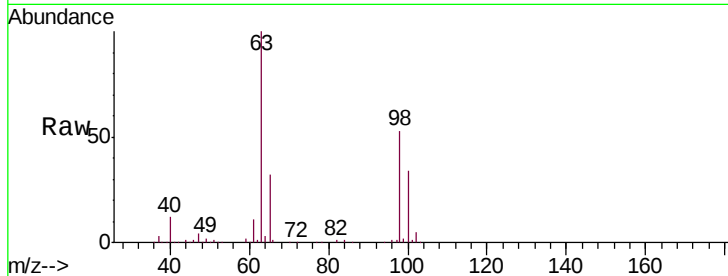




#12
 1,1-Dichloroethene
 Concen: 0.571 ug/L
 RT: 2.27 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VU030418.D
 Acq: 25 Mar 2019 21:28

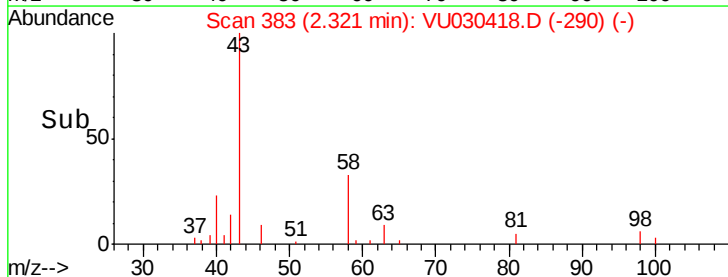
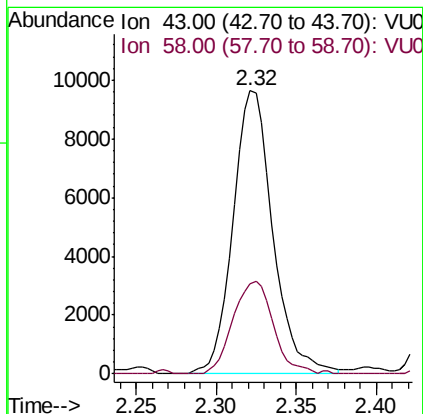
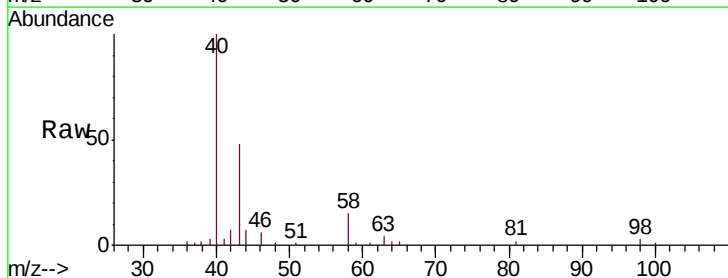
Instrument :
 MSVOA_U
 ClientSampleId :
 C09A6

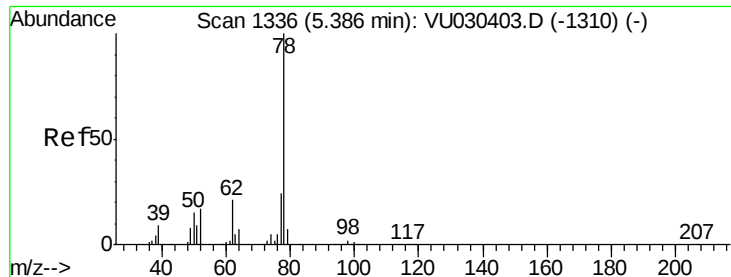
Tgt Ion: 96 Resp: 1860
 Ion Ratio Lower Upper
 96 100
 61 1518.1 131.0 243.4#
 63 13362.1 92.4 171.6#



#13
 Acetone
 Concen: 4.700 ug/L
 RT: 2.32 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VU030418.D
 Acq: 25 Mar 2019 21:28

Tgt Ion: 43 Resp: 16360
 Ion Ratio Lower Upper
 43 100
 58 33.0 0.0 62.8





#33

Benzene

Concen: 1.208 ug/L

RT: 5.39 min Scan# 1338

Delta R.T. 0.01 min

Lab File: VU030418.D

Acq: 25 Mar 2019 21:28

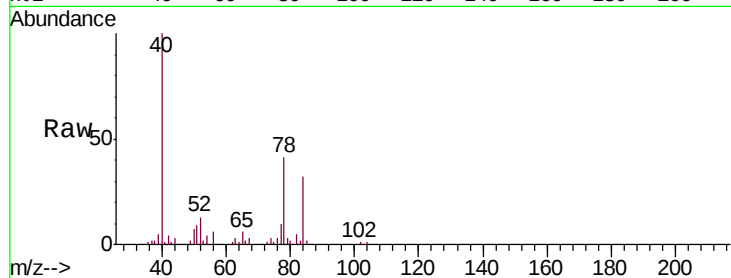
Instrument :

MSVOA_U

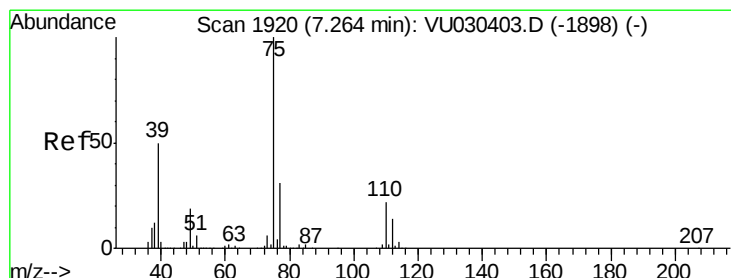
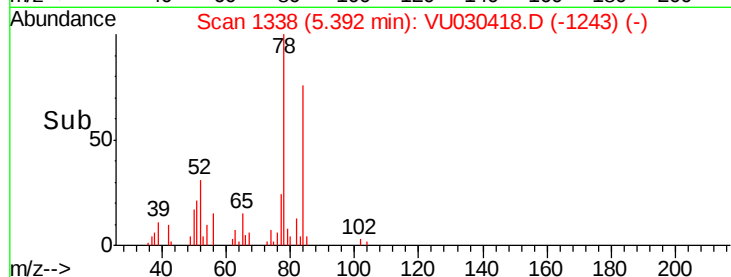
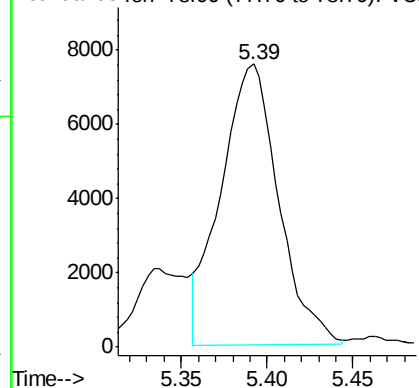
ClientSampleId :

C09A6

Tgt Ion: 78 Resp: 17710



Abundance Ion 78.00 (77.70 to 78.70): VU0



#39

cis-1,3-Dichloropropene

Concen: 0.851 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU030418.D

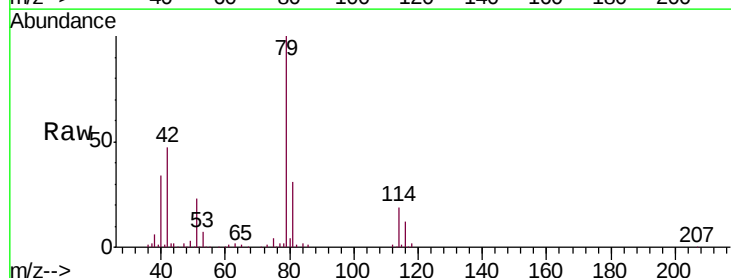
Acq: 25 Mar 2019 21:28

Tgt Ion: 75 Resp: 5087

Ion Ratio Lower Upper

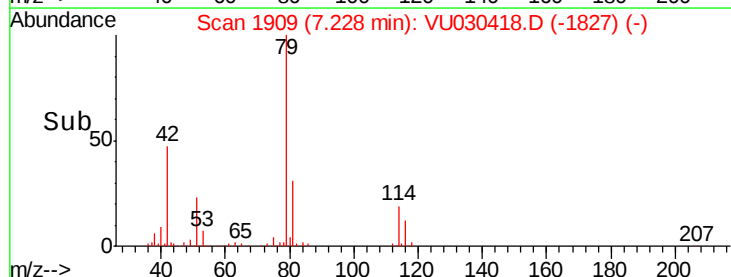
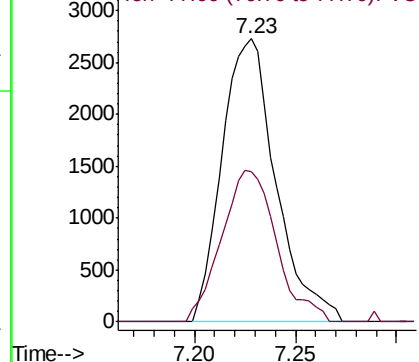
75 100

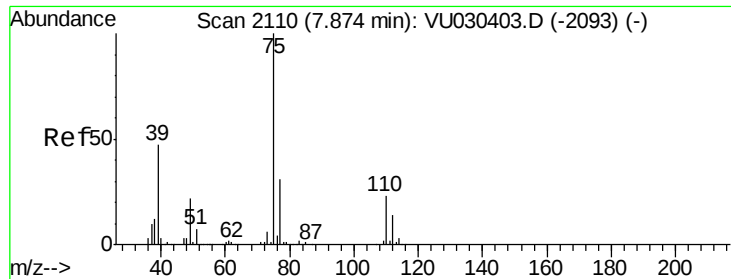
77 53.0 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.676 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU030418.D

Acq: 25 Mar 2019 21:28

Instrument :

MSVOA_U

ClientSampleId :

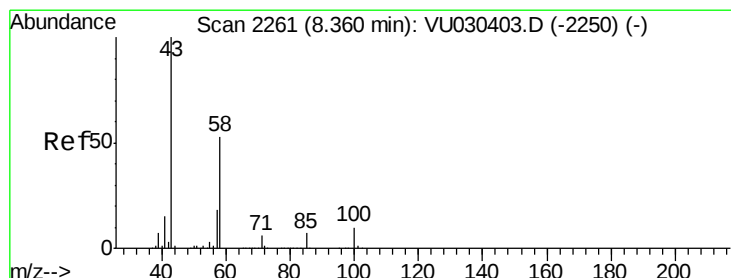
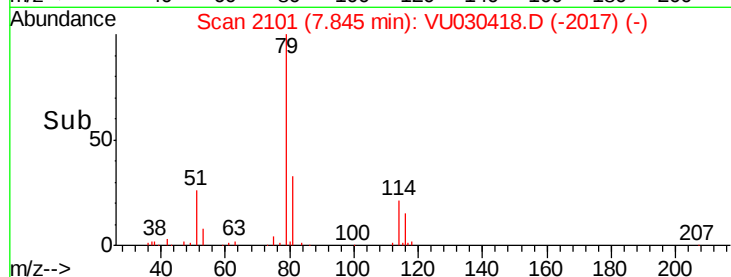
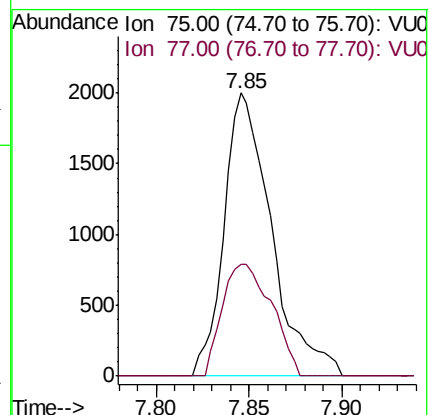
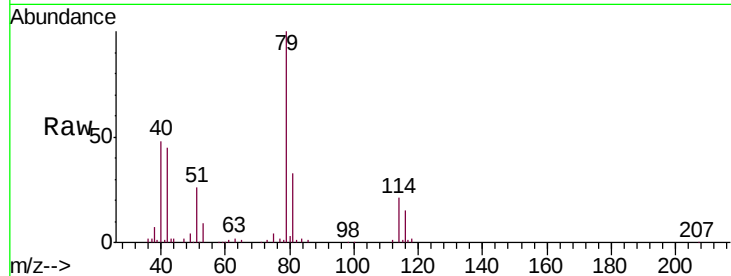
C09A6

Tgt Ion: 75 Resp: 3556

Ion Ratio Lower Upper

75 100

77 39.5 22.0 40.8



#48

2-Hexanone

Concen: 0.959 ug/L

RT: 8.36 min Scan# 2261

Delta R.T. -0.00 min

Lab File: VU030418.D

Acq: 25 Mar 2019 21:28

Tgt Ion: 43 Resp: 5494

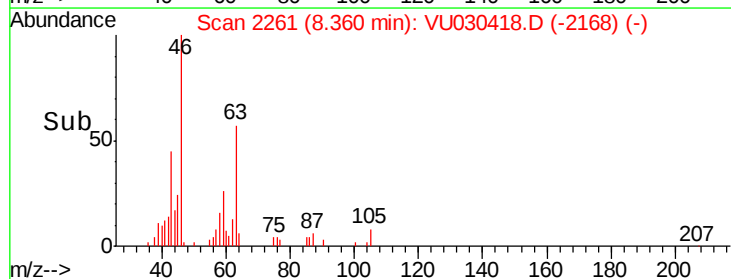
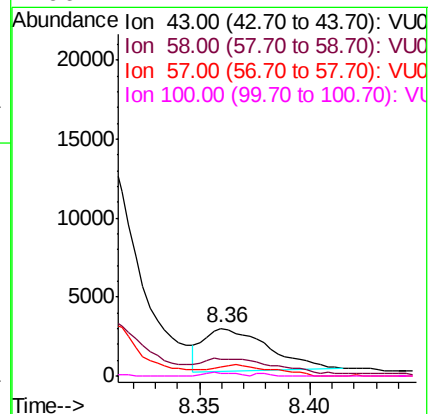
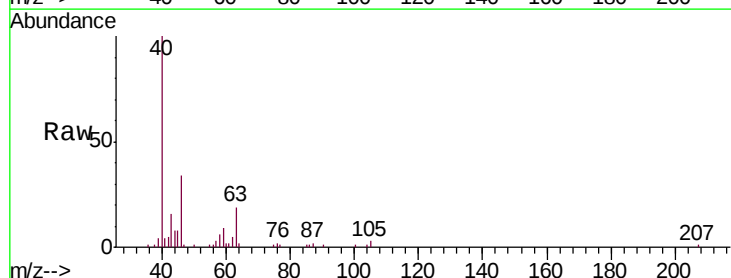
Ion Ratio Lower Upper

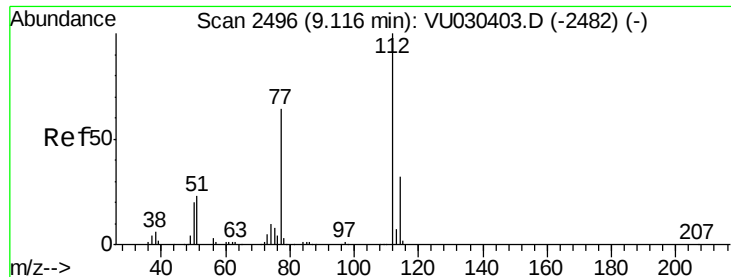
43 100

58 5.2 42.5 63.7#

57 5.3 15.0 22.6#

100 2.2 7.4 11.2#





#51

Chlorobenzene

Concen: 4.676 ug/L

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU030418.D

Acq: 25 Mar 2019 21:28

Instrument :

MSVOA_U

ClientSampleId :

C09A6

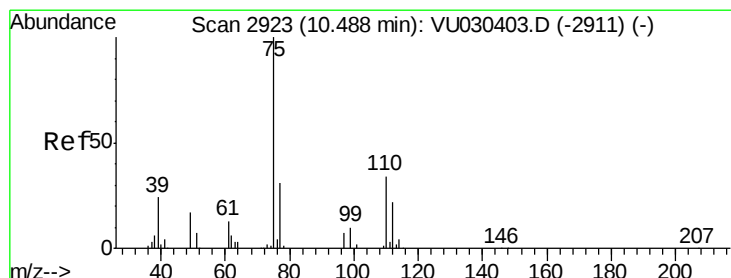
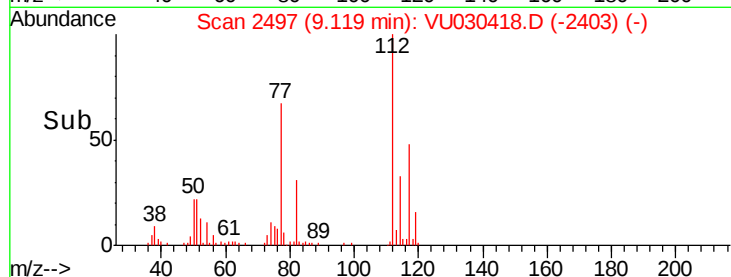
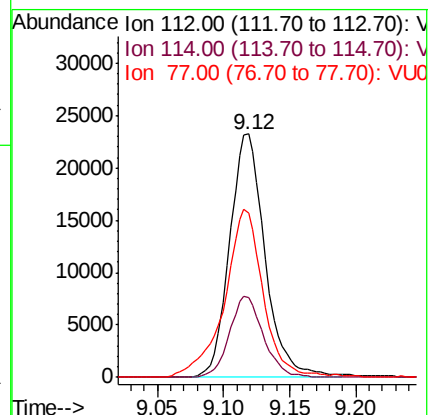
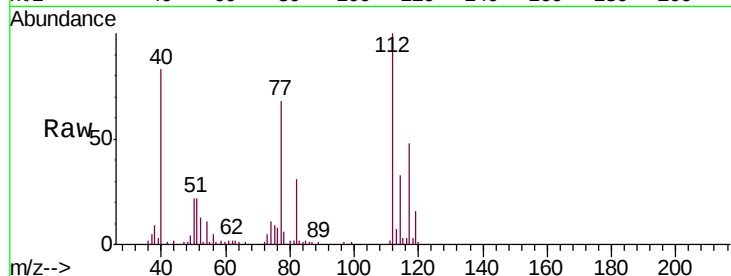
Tgt Ion: 112 Resp: 43108

Ion Ratio Lower Upper

112 100

114 32.6 21.5 39.9

77 67.7 51.4 77.0



#59

1,2,3-Trichloropropane

Concen: 6.170 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU030418.D

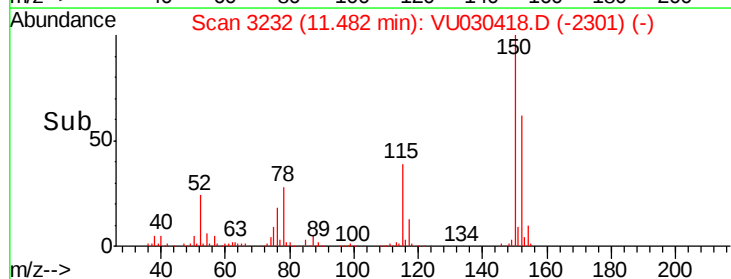
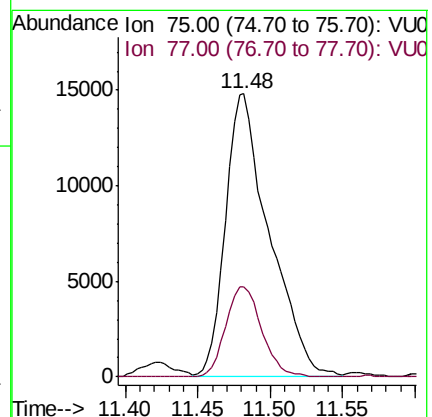
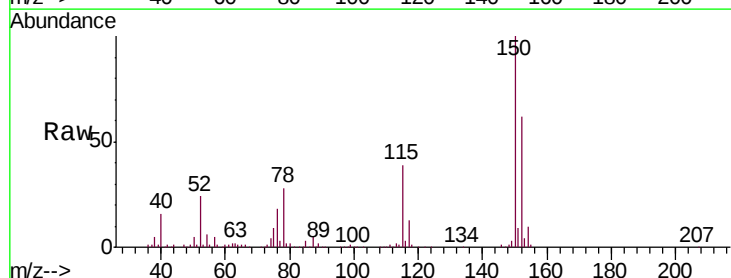
Acq: 25 Mar 2019 21:28

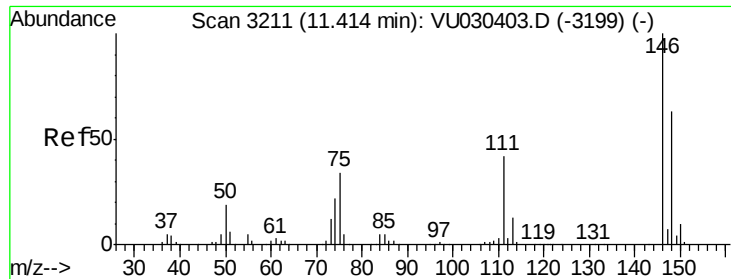
Tgt Ion: 75 Resp: 31239

Ion Ratio Lower Upper

75 100

77 26.0 25.4 38.2

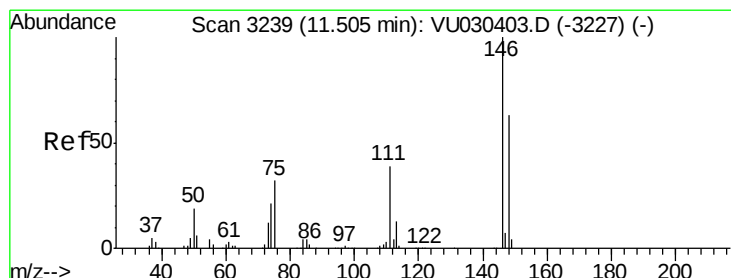
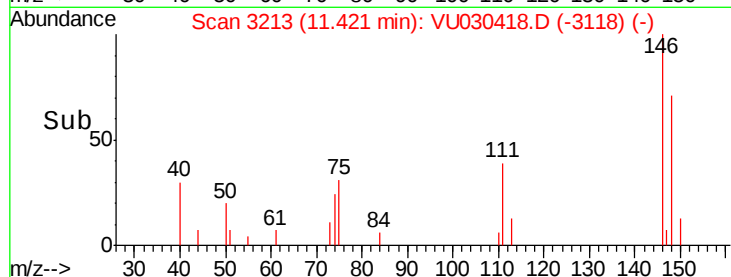
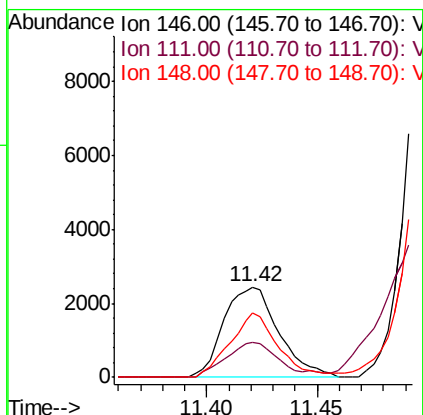
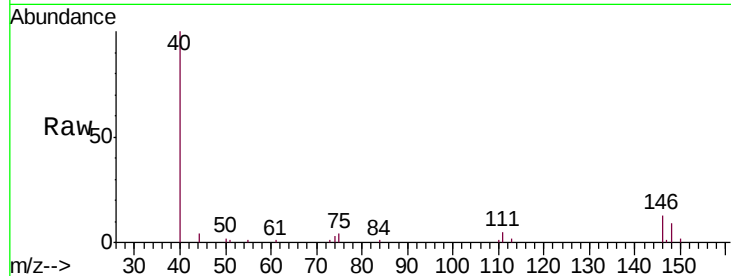




#62
 1,3-Dichlorobenzene
 Concen: 0.737 ug/L
 RT: 11.42 min Scan# 3213
 Delta R.T. 0.01 min
 Lab File: VU030418.D
 Acq: 25 Mar 2019 21:28

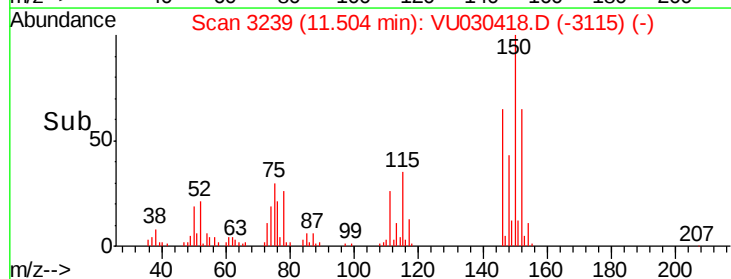
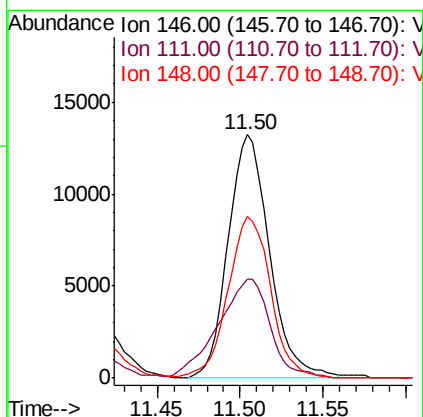
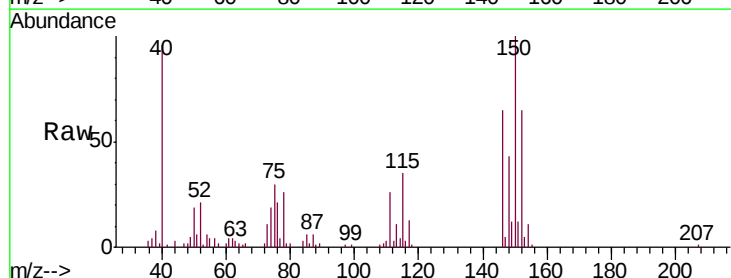
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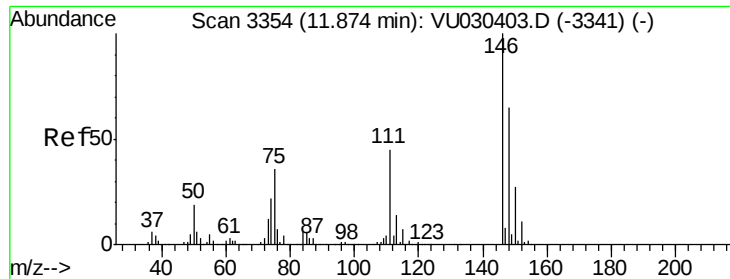
Tgt Ion:146 Resp: 4200
 Ion Ratio Lower Upper
 146 100
 111 39.0 29.2 54.2
 148 71.4 44.4 82.4



#63
 1,4-Dichlorobenzene
 Concen: 3.917 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030418.D
 Acq: 25 Mar 2019 21:28

Tgt Ion:146 Resp: 22983
 Ion Ratio Lower Upper
 146 100
 111 40.4 28.7 53.3
 148 66.2 44.3 82.3





#65

1,2-Dichlorobenzene

Concen: 3.482 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU030418.D

Acq: 25 Mar 2019 21:28

Instrument :

MSVOA_U

ClientSampleId :

C09A6

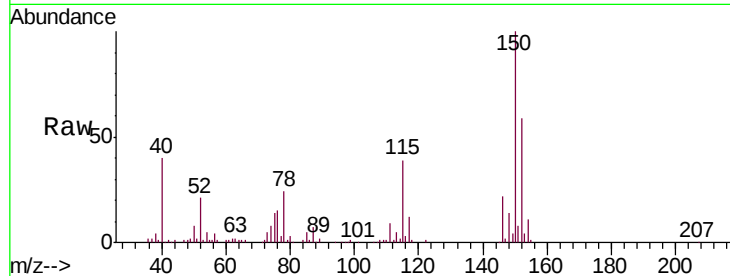
Tgt Ion:146 Resp: 20068

Ion Ratio Lower Upper

146 100

111 43.6 34.9 52.3

148 64.3 51.2 76.8

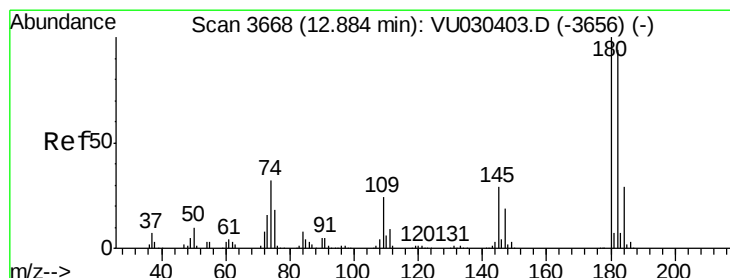
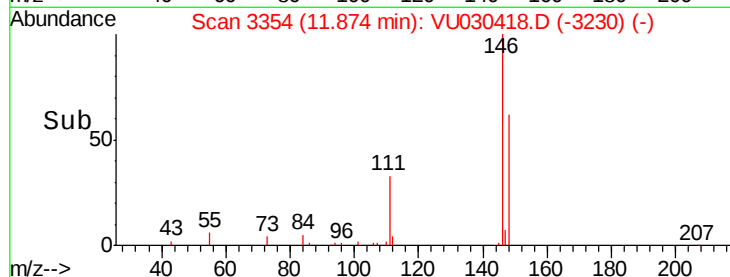
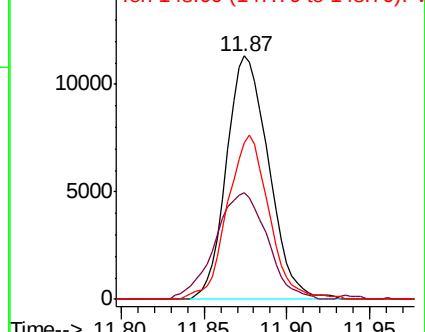


Abundance

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



#67

1,3,5-Trichlorobenzene

Concen: 3.245 ug/L

RT: 13.50 min Scan# 3861

Delta R.T. 0.62 min

Lab File: VU030418.D

Acq: 25 Mar 2019 21:28

Tgt Ion:180 Resp: 13847

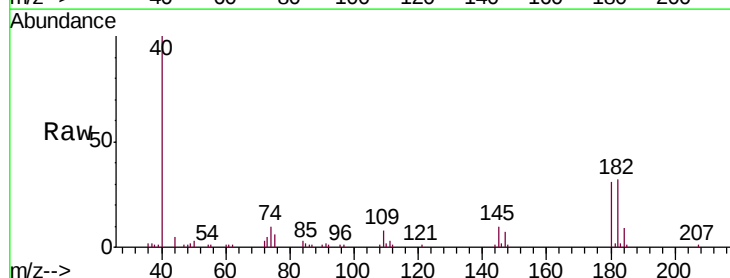
Ion Ratio Lower Upper

180 100

182 103.9 75.9 113.9

184 25.9 24.1 36.1

145 30.6 23.8 35.8



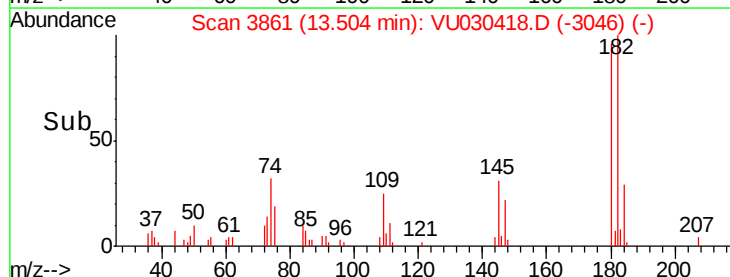
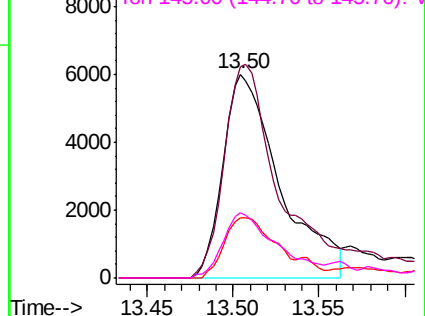
Abundance

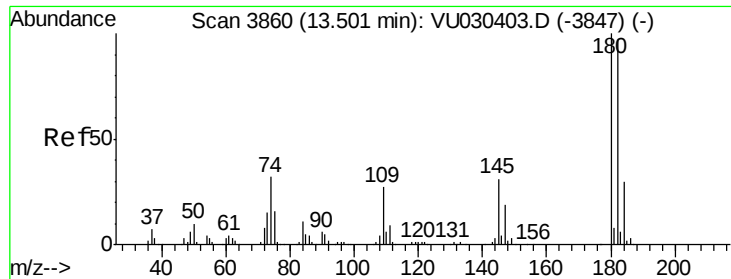
Ion 180.00 (179.70 to 180.70): V

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

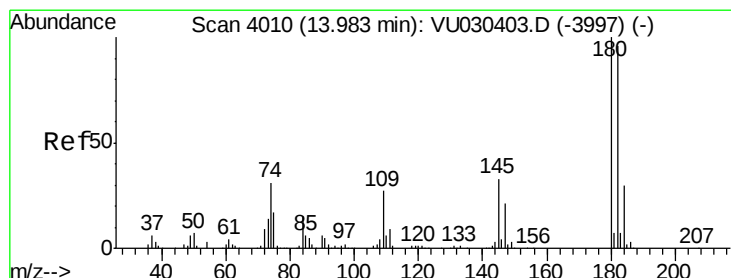
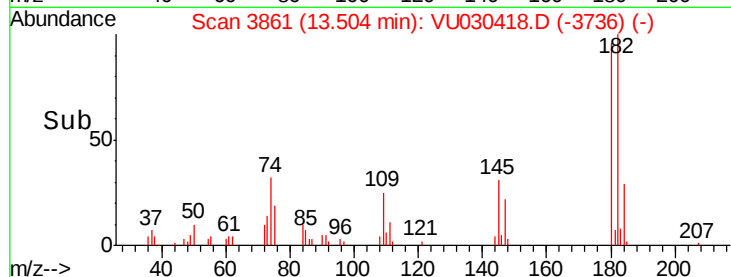
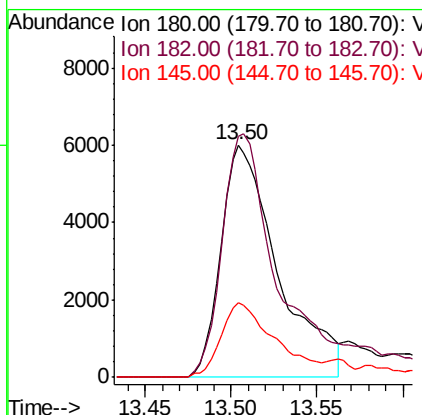
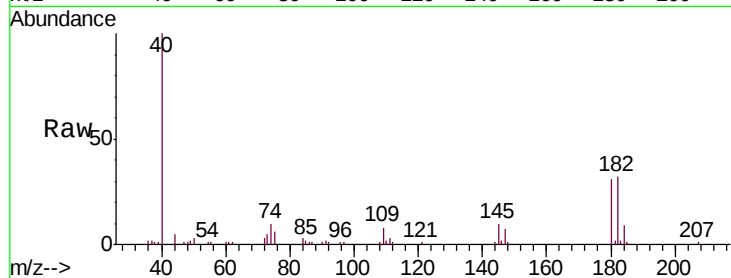




#68
 1,2,4-trichlorobenzene
 Concen: 3.735 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.00 min
 Lab File: VU030418.D
 Acq: 25 Mar 2019 21:28

Instrument :
 MSVOA_U
 ClientSampleId :
 C09A6

Tgt Ion:180 Resp: 13847
 Ion Ratio Lower Upper
 180 100
 182 103.9 76.1 114.1
 145 30.6 24.5 36.7



#70
 1,2,3-Trichlorobenzene
 Concen: 0.485 ug/L
 RT: 13.99 min Scan# 4013
 Delta R.T. 0.01 min
 Lab File: VU030418.D
 Acq: 25 Mar 2019 21:28

Tgt Ion:180 Resp: 1898
 Ion Ratio Lower Upper
 180 100
 182 144.6 77.4 116.2#
 145 64.2 25.9 38.9#

