

Data File : VU030476.D
Acq On : 27 Mar 2019 12:21
Operator : JC/SP
Sample : K2022-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09F4

Quant Time: Mar 28 01:29:47 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	369987	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	348126	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	141362	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	163587	54.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	109.88%
7) Chloroethane-d5	1.68	69	140072	59.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	118.70%
11) 1,1-Dichloroethene-d2	2.27	63	237037	41.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.94%
21) 2-Butanone-d5	4.17	46	348273	124.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	124.42%
24) Chloroform-d	4.64	84	305451	59.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	119.08%
26) 1,2-Dichloroethane-d4	5.31	65	212055	63.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	126.34%#
32) Benzene-d6	5.34	84	612785	61.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	122.76%
36) 1,2-Dichloropropane-d6	6.33	67	224881	65.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	131.68%#
41) Toluene-d8	7.56	98	518360	57.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.62%
43) trans-1,3-Dichloropropene-	7.85	79	95501	59.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	118.92%
47) 2-Hexanone-d5	8.31	63	216420	116.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.92%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	300087	61.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	122.80%#
64) 1,2-Dichlorobenzene-d4	11.86	152	181990	64.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	128.50%#

Target Compounds

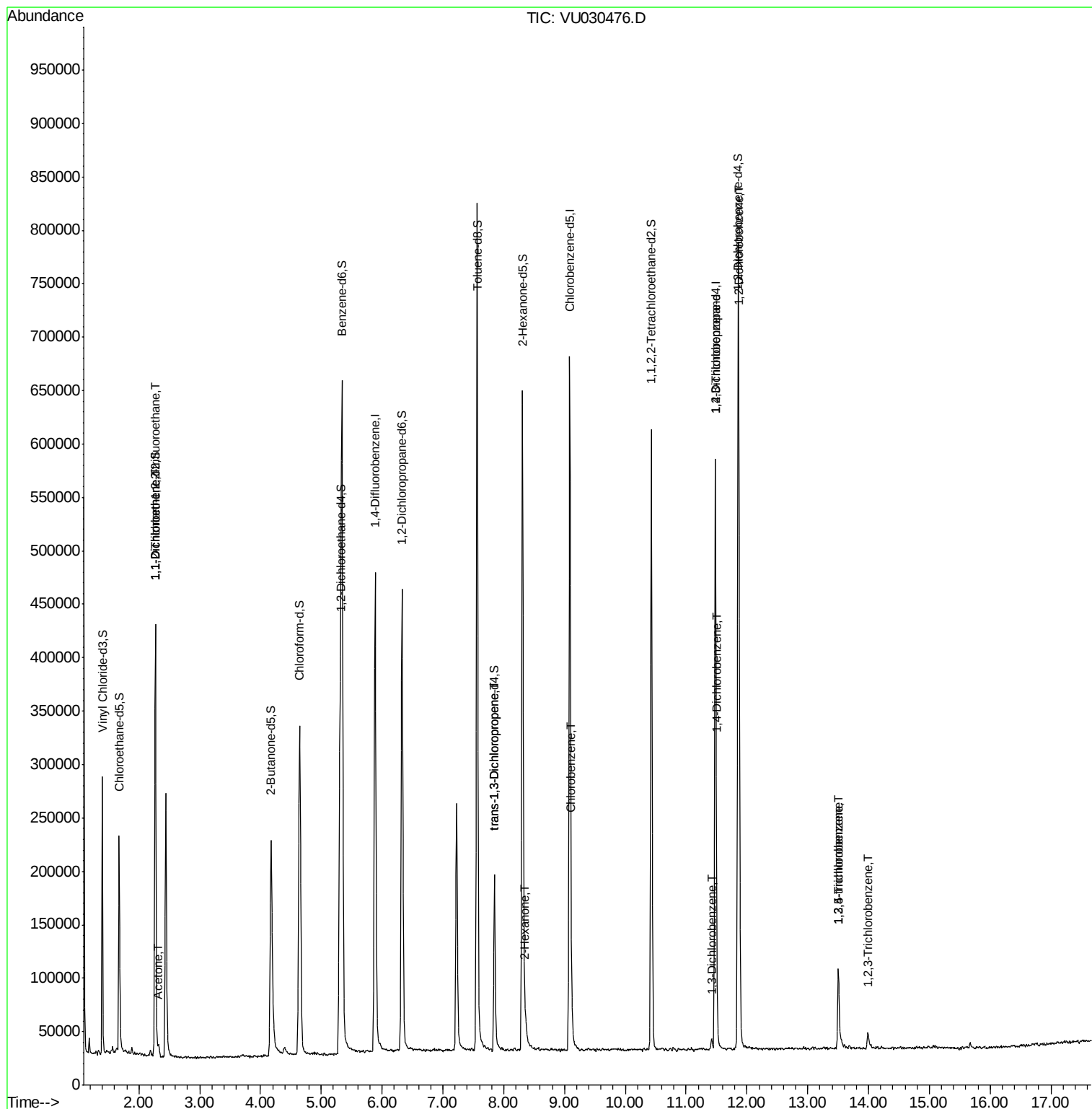
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2080	0.770	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	1697	0.641	ug/L #	1
13) Acetone	2.32	43	8667	3.062	ug/L	96
44) trans-1,3-Dichloropropene	7.85	75	3742	0.880	ug/L	96
48) 2-Hexanone	8.36	43	8572	1.851	ug/L #	68
51) Chlorobenzene	9.12	112	21291	2.856	ug/L	94
59) 1,2,3-Trichloropropane	11.48	75	24358	5.950	ug/L	96
62) 1,3-Dichlorobenzene	11.42	146	4353	0.942	ug/L	95
63) 1,4-Dichlorobenzene	11.50	146	15703	3.300	ug/L	95
65) 1,2-Dichlorobenzene	11.87	146	89265	19.096	ug/L	97
67) 1,3,5-Trichlorobenzene	13.50	180	29206	8.439	ug/L	93
68) 1,2,4-trichlorobenzene	13.50	180	29206	9.713	ug/L	92
70) 1,2,3-Trichlorobenzene	13.99	180	5709	1.798	ug/L #	81

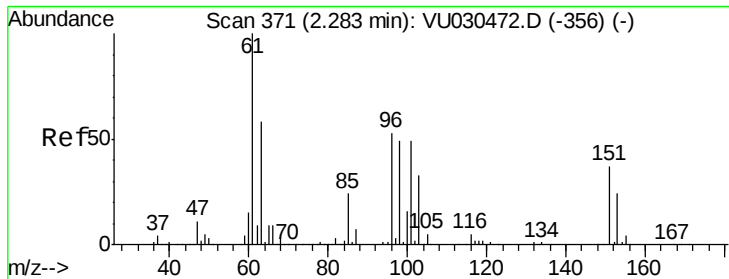
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.770 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU030476.D

Acq: 27 Mar 2019 12:21

Instrument :

MSVOA_U

ClientSampleId :

C09F4

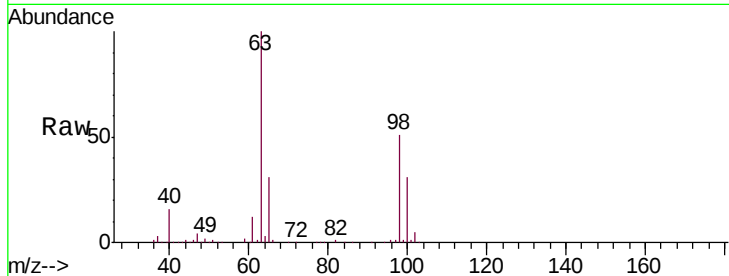
Tgt Ion: 101 Resp: 2080

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

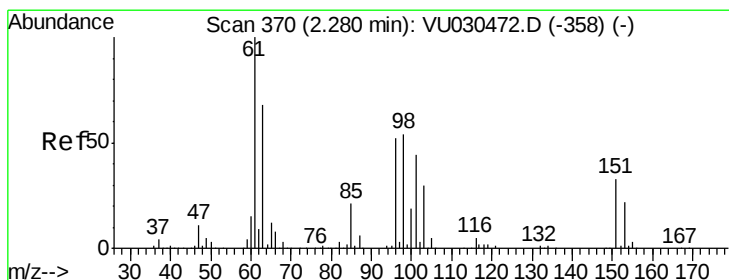
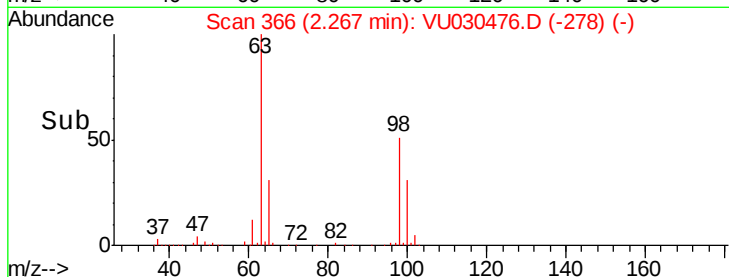
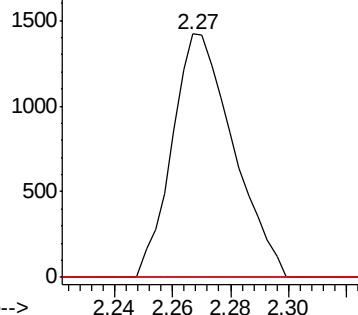
151 0.0 56.6 85.0#



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: 0.641 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030476.D

Acq: 27 Mar 2019 12:21

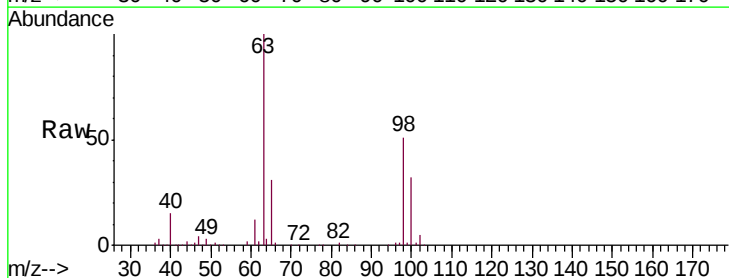
Tgt Ion: 96 Resp: 1697

Ion Ratio Lower Upper

96 100

61 1632.3 131.0 243.4#

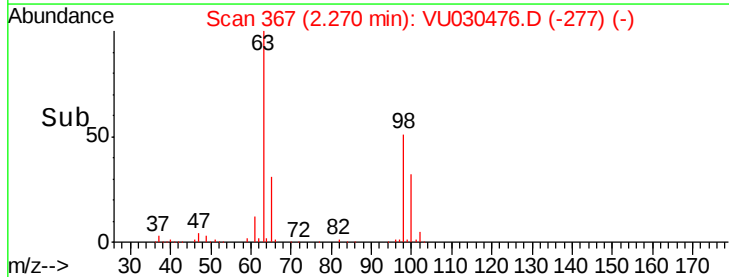
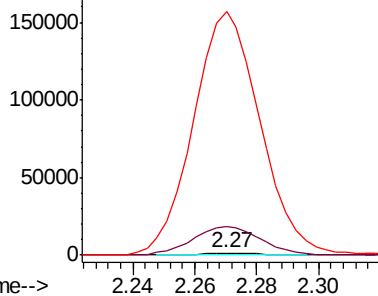
63 13759.2 92.4 171.6#

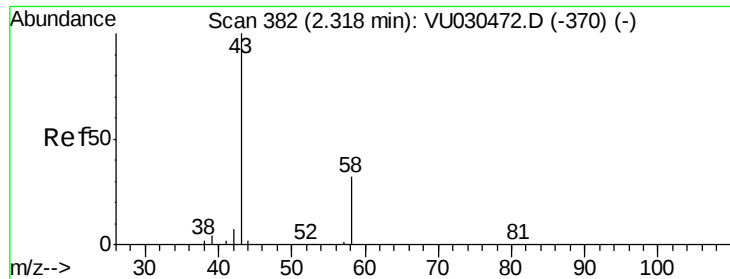


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.062 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030476.D

Acq: 27 Mar 2019 12:21

Instrument :

MSVOA_U

ClientSampleId :

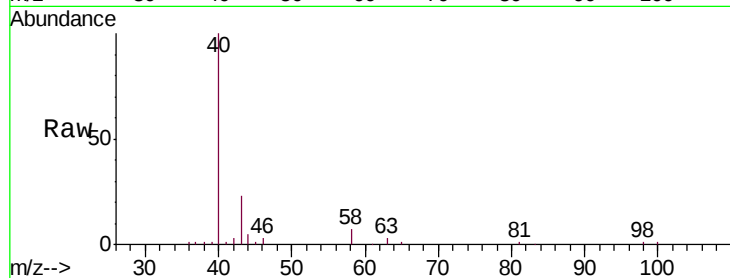
C09F4

Tgt Ion: 43 Resp: 8667

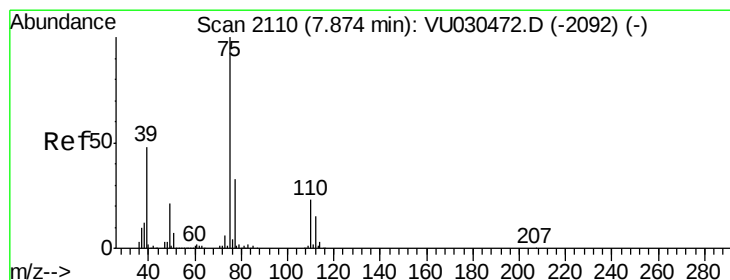
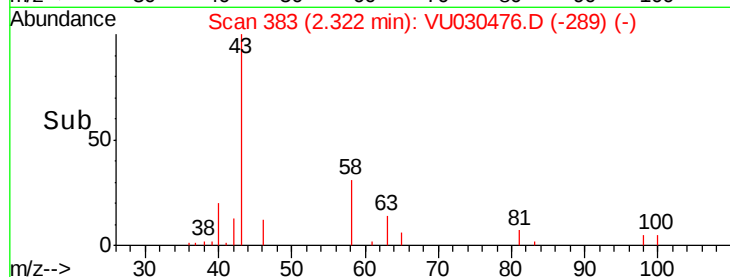
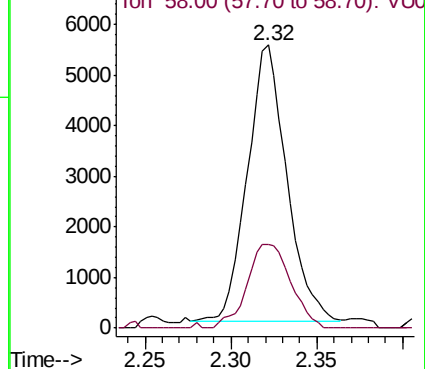
Ion Ratio Lower Upper

43 100

58 33.8 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030476.D (-289) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.880 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU030476.D

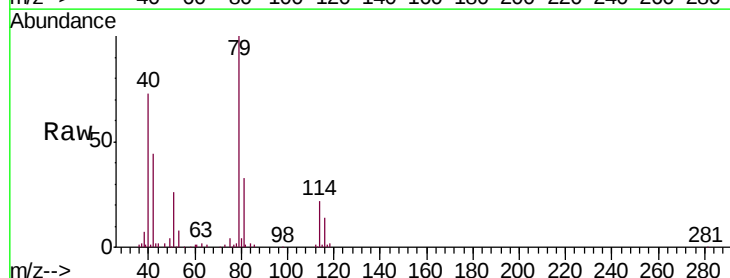
Acq: 27 Mar 2019 12:21

Tgt Ion: 75 Resp: 3742

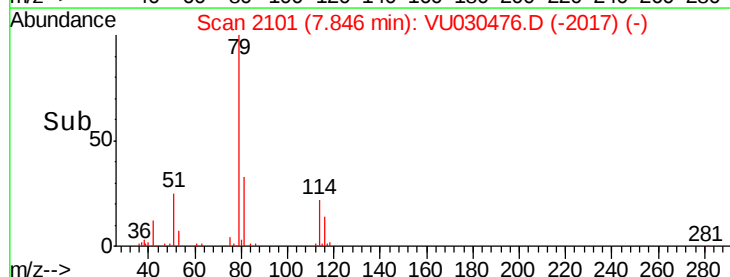
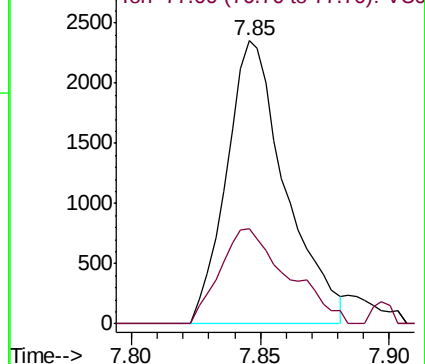
Ion Ratio Lower Upper

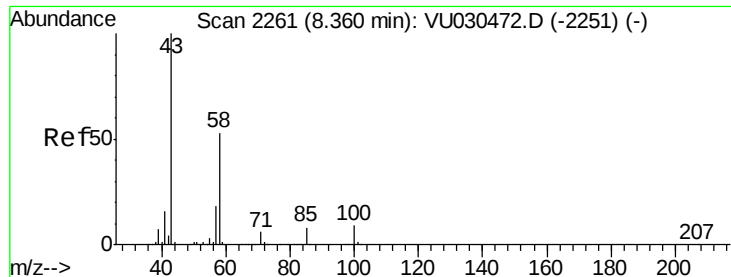
75 100

77 33.6 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU030476.D (-2017) (-)

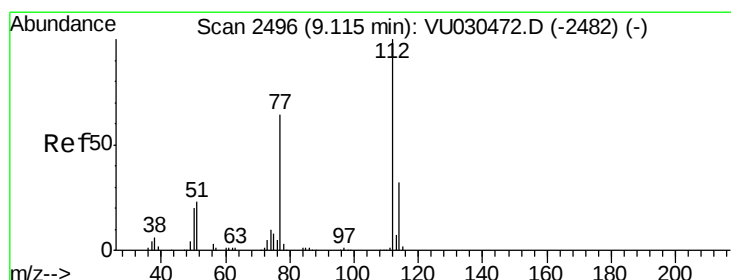
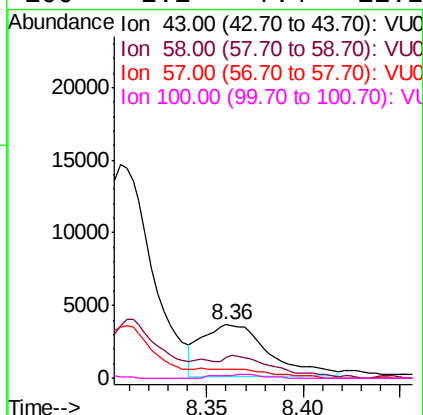
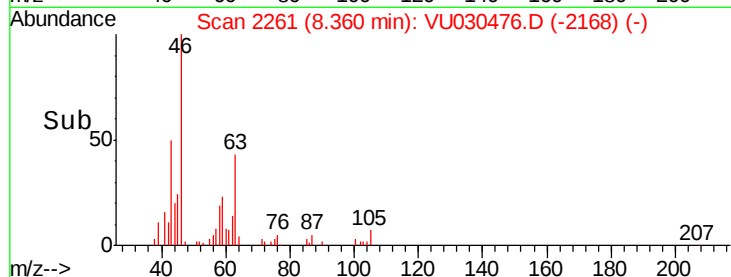
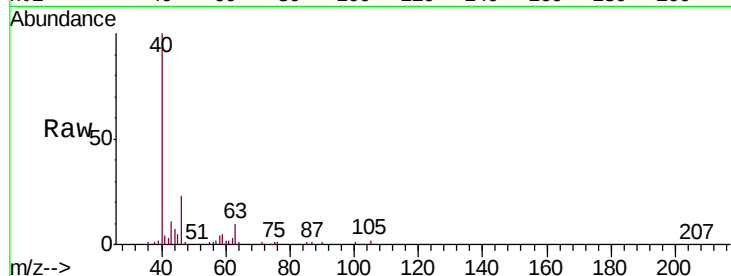




#48
2-Hexanone
Concen: 1.851 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU030476.D
Acq: 27 Mar 2019 12:21

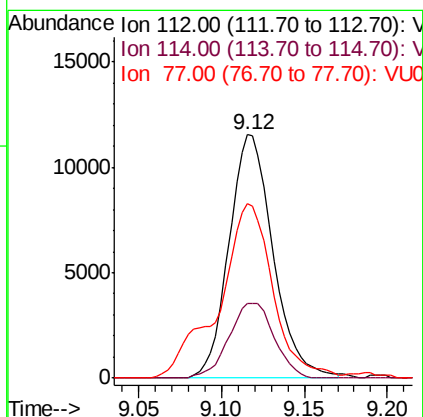
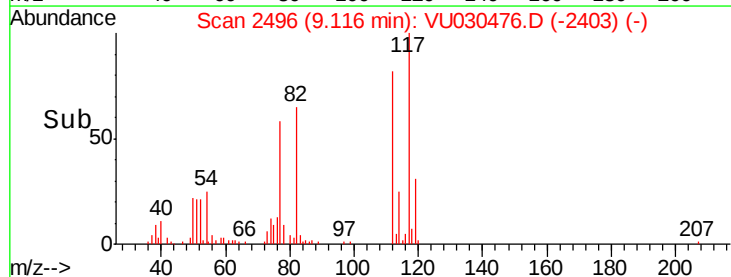
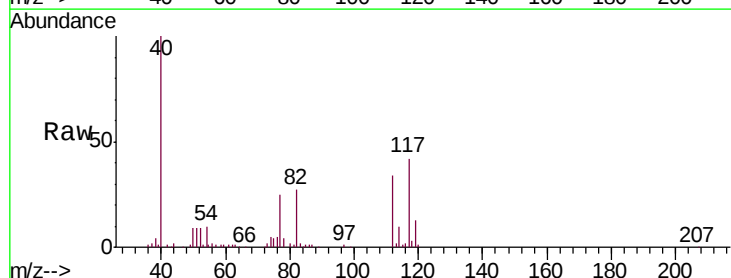
Instrument :
MSVOA_U
ClientSampleId :
C09F4

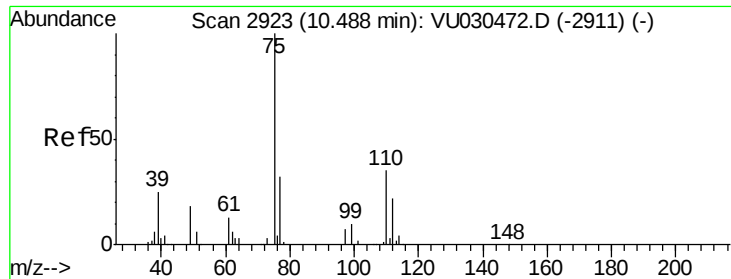
Tgt Ion: 43 Resp: 8572
Ion Ratio Lower Upper
43 100
58 31.3 42.5 63.7#
57 0.0 15.0 22.6#
100 2.1 7.4 11.2#



#51
Chlorobenzene
Concen: 2.856 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030476.D
Acq: 27 Mar 2019 12:21

Tgt Ion: 112 Resp: 21291
Ion Ratio Lower Upper
112 100
114 30.4 21.5 39.9
77 71.4 51.4 77.0





#59

1,2,3-Trichloropropane

Concen: 5.950 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030476.D

Acq: 27 Mar 2019 12:21

Instrument :

MSVOA_U

ClientSampled :

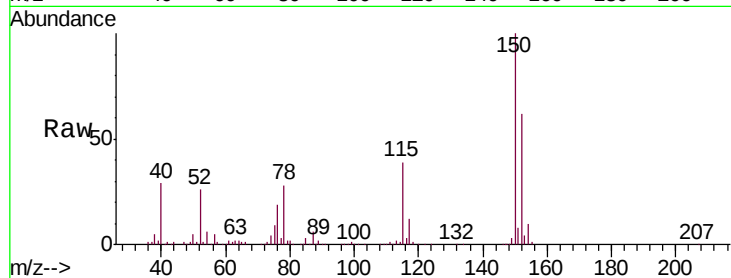
C09F4

Tgt Ion: 75 Resp: 24358

Ion Ratio Lower Upper

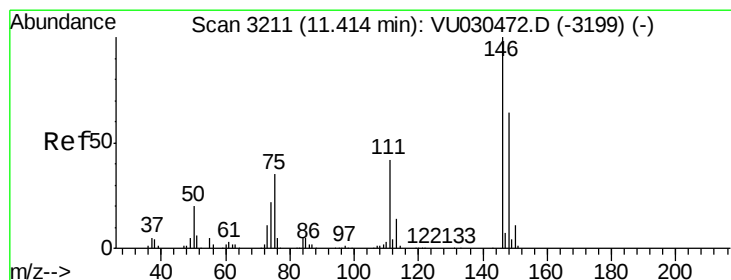
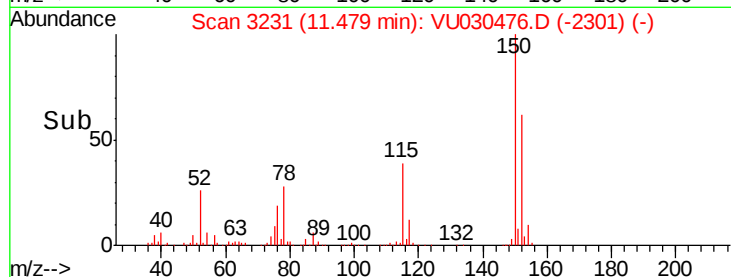
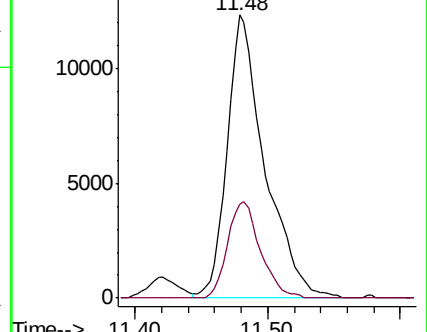
75 100

77 29.4 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU030476.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU030476.D (-2911) (-)



#62

1,3-Dichlorobenzene

Concen: 0.942 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030476.D

Acq: 27 Mar 2019 12:21

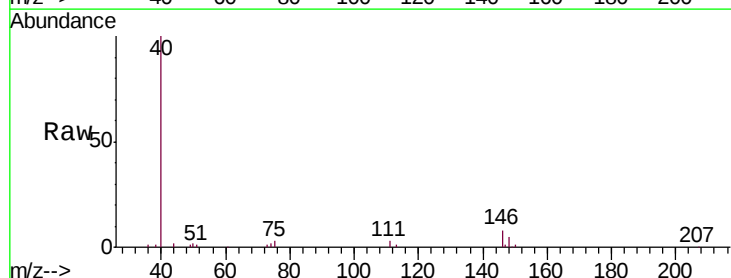
Tgt Ion: 146 Resp: 4353

Ion Ratio Lower Upper

146 100

111 34.8 29.2 54.2

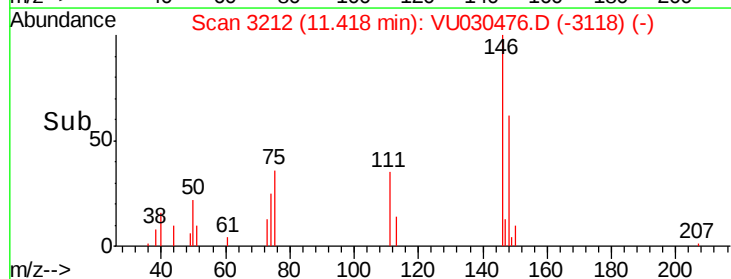
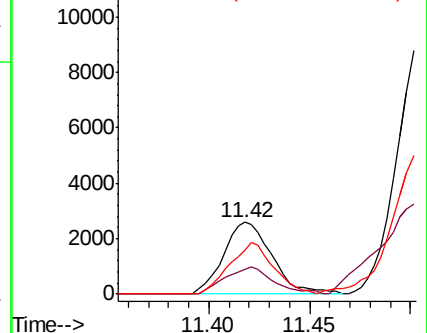
148 61.9 44.4 82.4

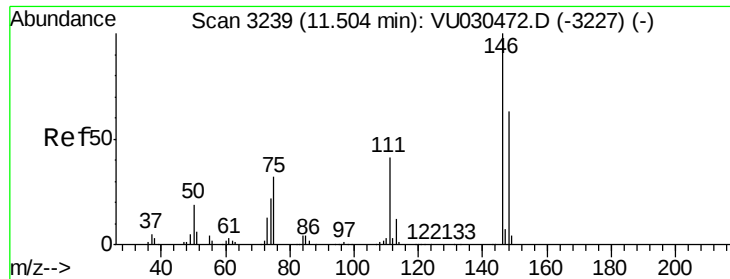


Abundance Ion 146.00 (145.70 to 146.70): VU030476.D (-3199) (-)

Ion 111.00 (110.70 to 111.70): VU030476.D (-3199) (-)

Ion 148.00 (147.70 to 148.70): VU030476.D (-3199) (-)

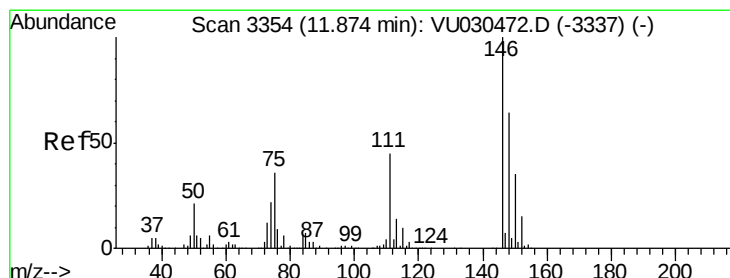
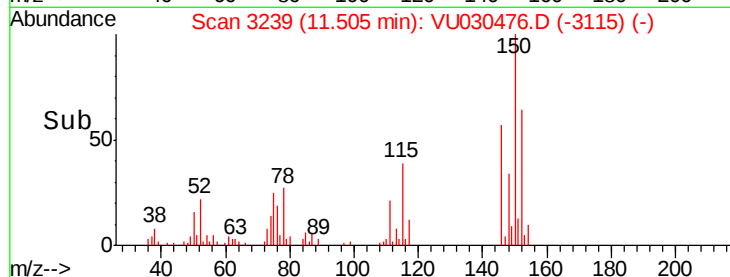
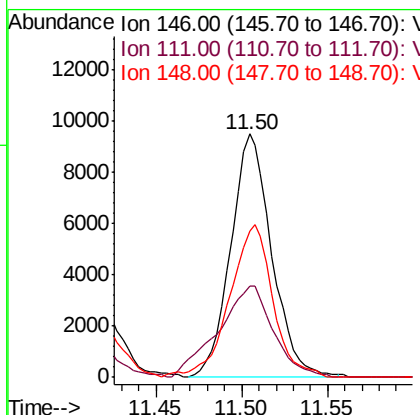
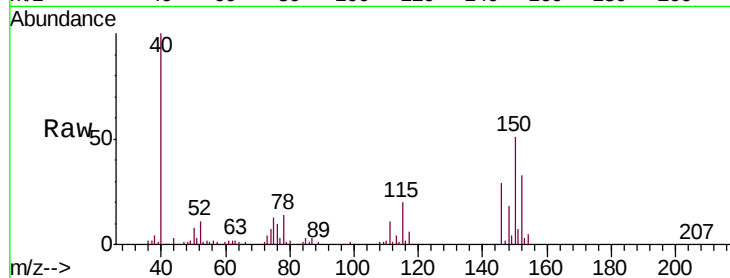




#63
 1,4-Dichlorobenzene
 Concen: 3.300 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030476.D
 Acq: 27 Mar 2019 12:21

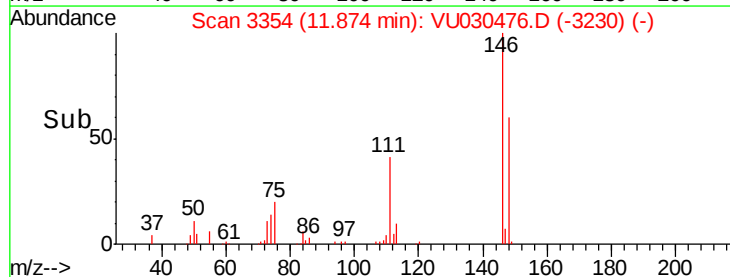
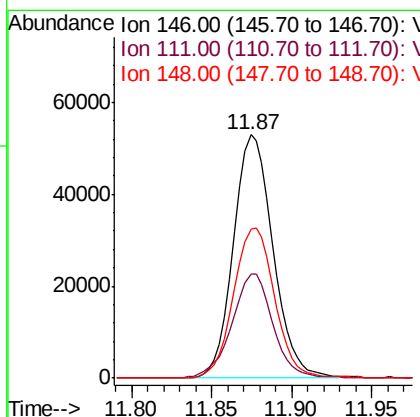
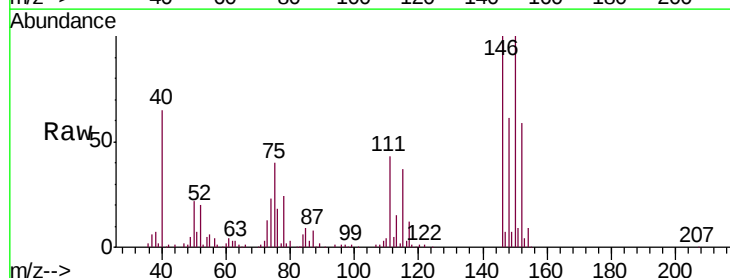
Instrument :
 MSVOA_U
 ClientSampleId :
 C09F4

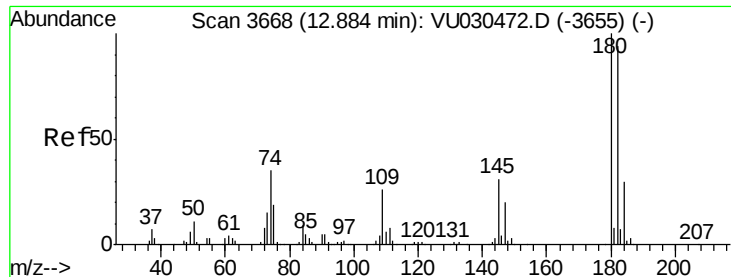
Tgt Ion:146 Resp: 15703
 Ion Ratio Lower Upper
 146 100
 111 37.6 28.7 53.3
 148 59.9 44.3 82.3



#65
 1,2-Dichlorobenzene
 Concen: 19.096 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU030476.D
 Acq: 27 Mar 2019 12:21

Tgt Ion:146 Resp: 89265
 Ion Ratio Lower Upper
 146 100
 111 43.0 34.9 52.3
 148 61.0 51.2 76.8

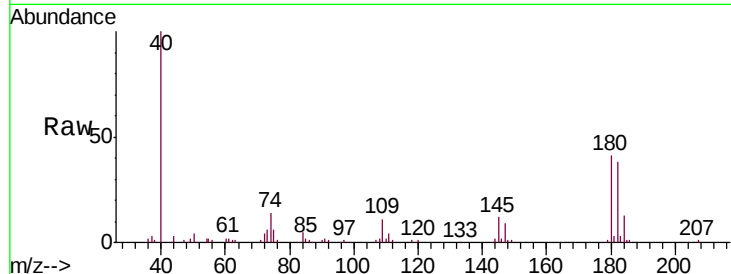




#67
 1,3,5-Trichlorobenzene
 Concen: 8.439 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.62 min
 Lab File: VU030476.D
 Acq: 27 Mar 2019 12:21

Instrument :
 MSVOA_U
 ClientSampleId :
 C09F4

Tgt Ion	Ratio	Lower	Upper
180	100		
182	86.7	75.9	113.9
184	27.2	24.1	36.1
145	27.4	23.8	35.8



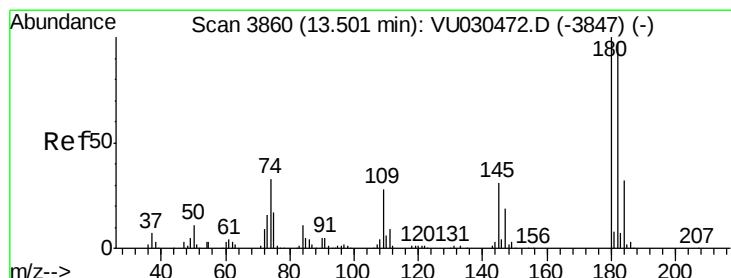
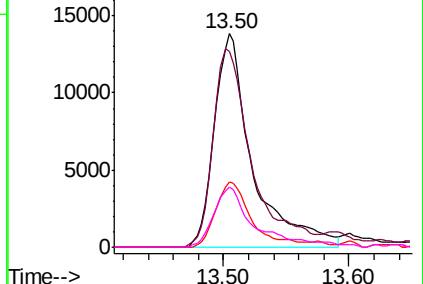
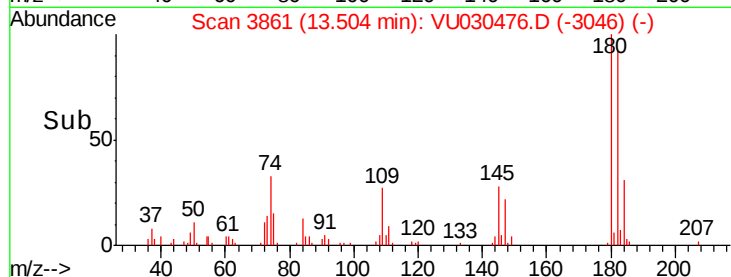
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

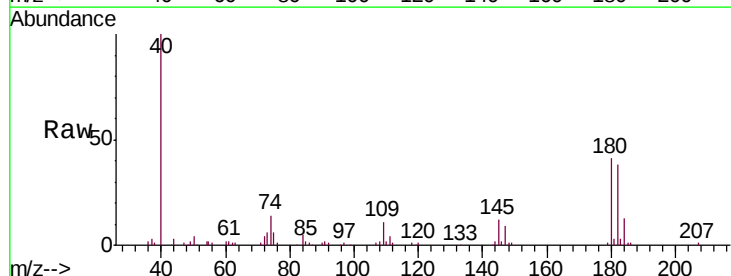
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 9.713 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.00 min
 Lab File: VU030476.D
 Acq: 27 Mar 2019 12:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	86.7	76.1	114.1
145	27.4	24.5	36.7

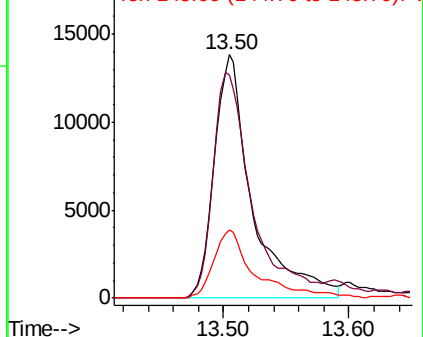
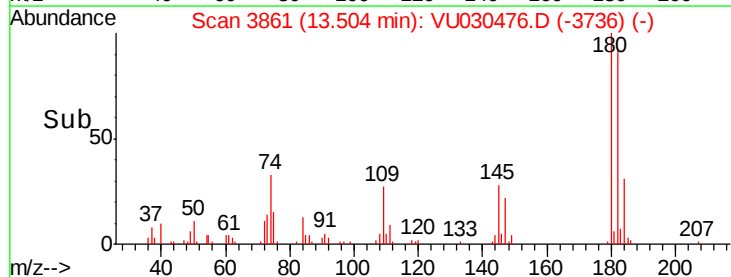


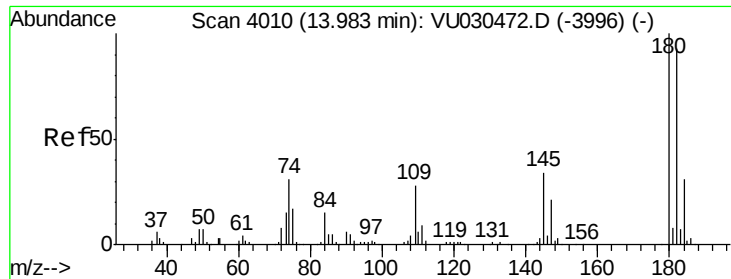
Abundance

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





#70
 1,2,3-Trichlorobenzene
 Concen: 1.798 ug/L
 RT: 13.99 min Scan# 4013
 Delta R.T. 0.01 min
 Lab File: VU030476.D
 Acq: 27 Mar 2019 12:21

Instrument :
 MSVOA_U
 ClientSampleId :
 C09F4

Tgt Ion:180 Resp: 5709
 Ion Ratio Lower Upper
 180 100
 182 119.9 77.4 116.2#
 145 35.3 25.9 38.9

