

Data File : VU030492.D
Acq On : 27 Mar 2019 18:44
Operator : JC/SP
Sample : K2022-19RE
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09F4

Quant Time: Mar 28 02:48:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 02:45:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	421555	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	395726	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	160052	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	128765	37.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.90%
7) Chloroethane-d5	1.68	69	111381	41.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.84%
11) 1,1-Dichloroethene-d2	2.27	63	186904	29.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.08%#
21) 2-Butanone-d5	4.17	46	304421	95.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.45%
24) Chloroform-d	4.64	84	253206	43.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.64%
26) 1,2-Dichloroethane-d4	5.31	65	176194	46.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.12%
32) Benzene-d6	5.34	84	491015	43.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.54%
36) 1,2-Dichloropropane-d6	6.33	67	184807	47.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.20%
41) Toluene-d8	7.56	98	407809	40.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.02%
43) trans-1,3-Dichloropropene-	7.85	79	75583	41.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.80%
47) 2-Hexanone-d5	8.31	63	187839	89.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.28%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	264836	47.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.34%
64) 1,2-Dichlorobenzene-d4	11.86	152	149655	46.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.34%

Target Compounds

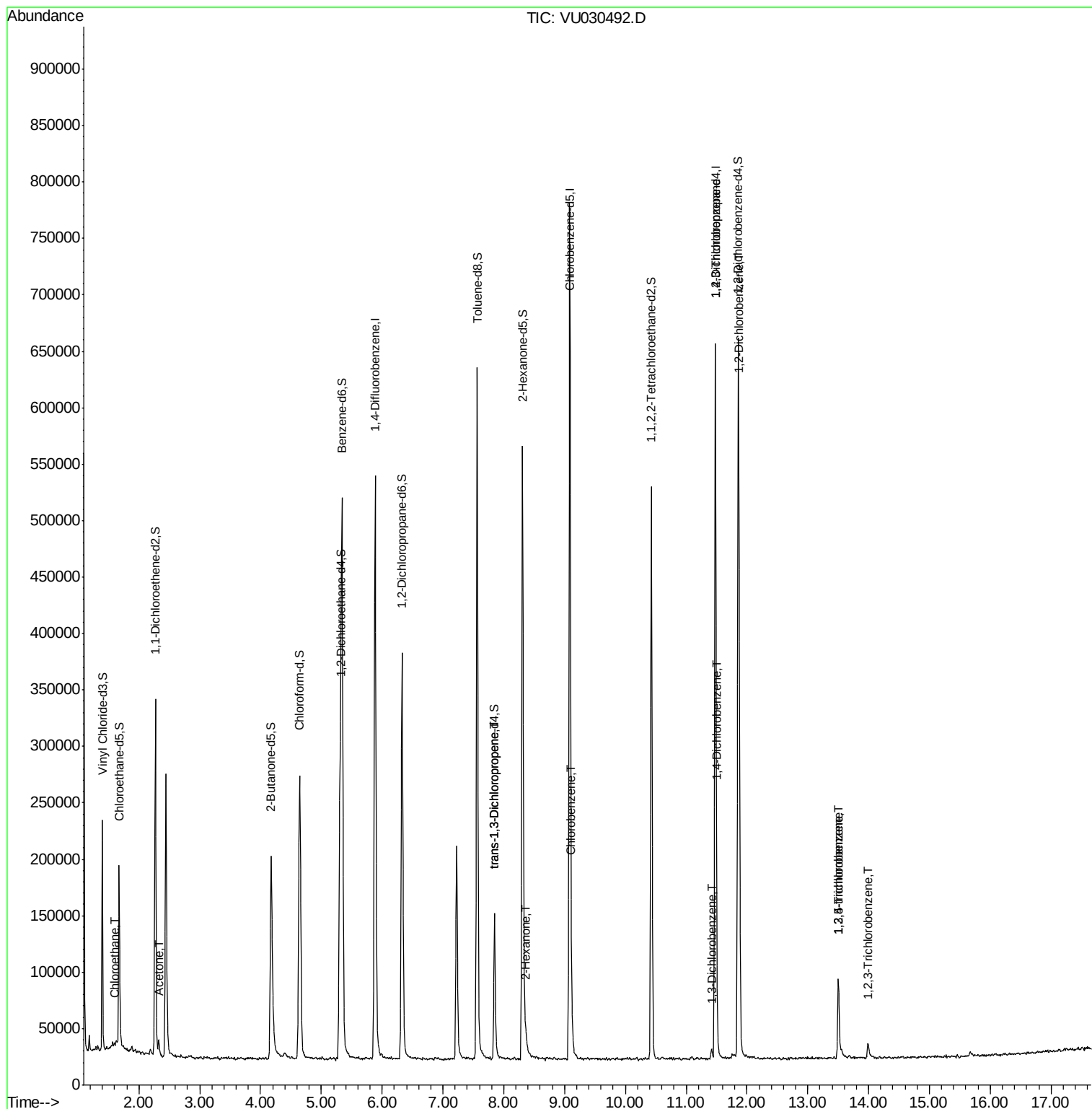
					Qvalue
8) Chloroethane	1.60	64	2993	1.075 ug/L #	53
13) Acetone	2.32	43	11063	3.430 ug/L	100
44) trans-1,3-Dichloropropene	7.85	75	3002	0.621 ug/L	84
48) 2-Hexanone	8.37	43	6441	1.224 ug/L #	80
51) Chlorobenzene	9.12	112	21430	2.529 ug/L	94
59) 1,2,3-Trichloropropane	11.48	75	26105	5.610 ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	4041	0.772 ug/L	91
63) 1,4-Dichlorobenzene	11.51	146	14967	2.778 ug/L	93
65) 1,2-Dichlorobenzene	11.87	146	86560	16.355 ug/L	100
67) 1,3,5-Trichlorobenzene	13.50	180	25351	6.470 ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	25351	7.446 ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	5123	1.425 ug/L #	84

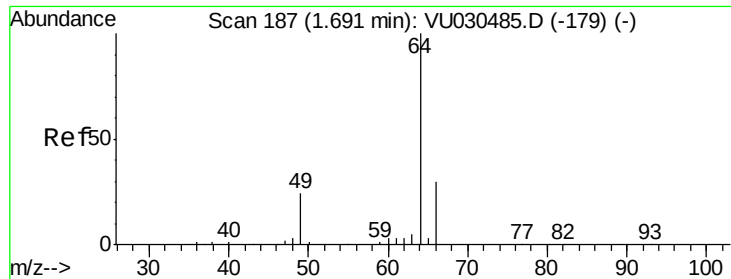
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU030492.D
Acq On : 27 Mar 2019 18:44
Operator : JC/SP
Sample : K2022-19RE
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09F4

Quant Time: Mar 28 02:48:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 02:45:06 2019
Response via : Initial Calibration

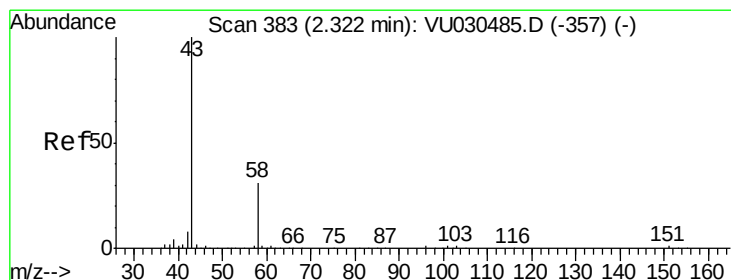
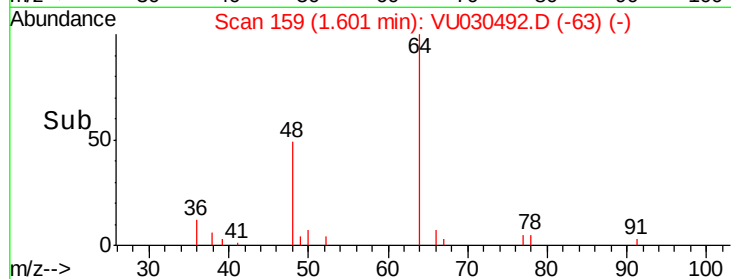
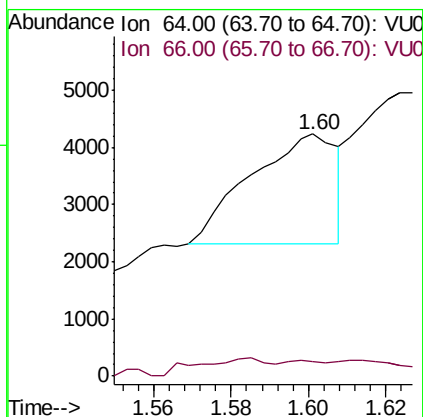
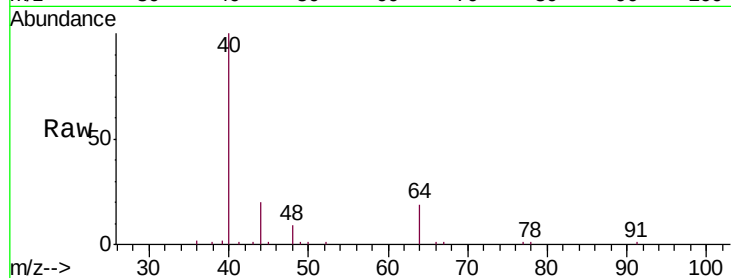




#8
Chloroethane
Concen: 1.075 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.09 min
Lab File: VU030492.D
Acq: 27 Mar 2019 18:44

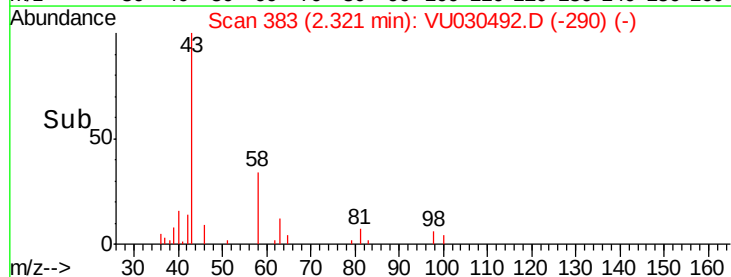
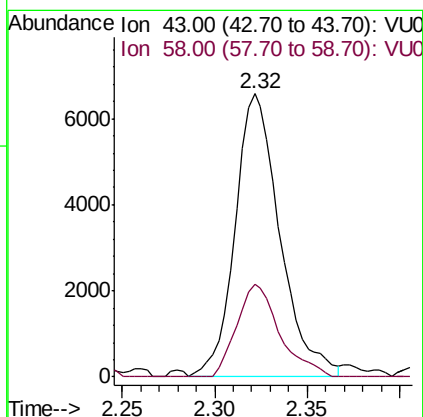
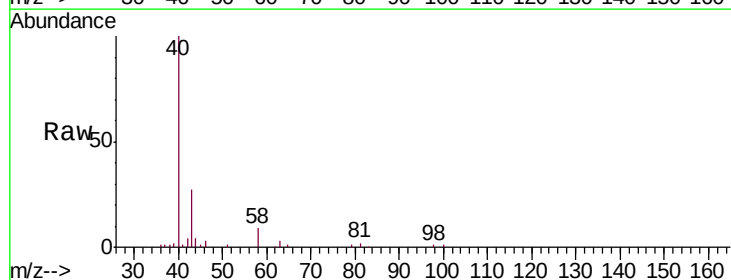
Instrument :
MSVOA_U
ClientSampleId :
C09F4

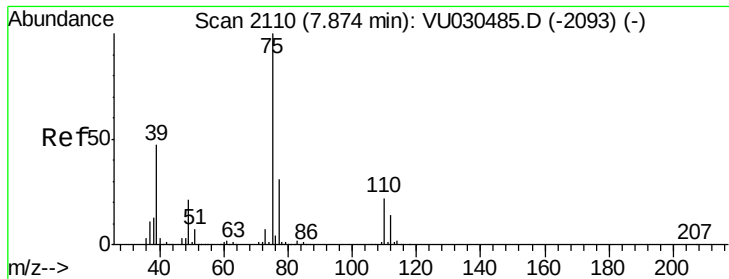
Tgt Ion: 64 Resp: 2993
Ion Ratio Lower Upper
64 100
66 5.9 22.5 41.7#



#13
Acetone
Concen: 3.430 ug/L
RT: 2.32 min Scan# 383
Delta R.T. -0.00 min
Lab File: VU030492.D
Acq: 27 Mar 2019 18:44

Tgt Ion: 43 Resp: 11063
Ion Ratio Lower Upper
43 100
58 31.2 0.0 62.8





#44

trans-1,3-Dichloropropene

Concen: 0.621 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU030492.D

Acq: 27 Mar 2019 18:44

Instrument :

MSVOA_U

ClientSampleId :

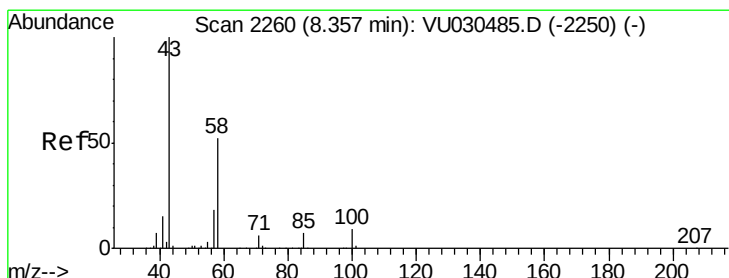
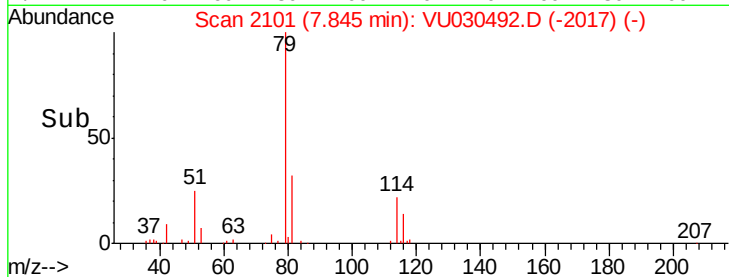
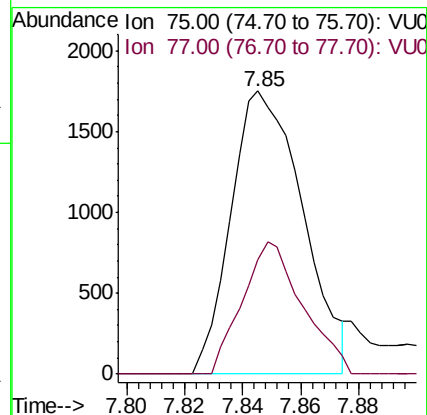
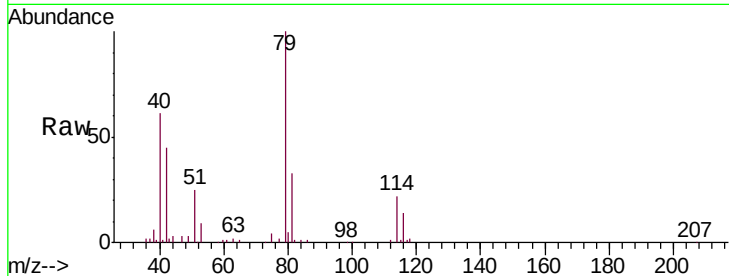
C09F4

Tgt Ion: 75 Resp: 3002

Ion Ratio Lower Upper

75 100

77 40.4 22.0 40.8



#48

2-Hexanone

Concen: 1.224 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VU030492.D

Acq: 27 Mar 2019 18:44

Tgt Ion: 43 Resp: 6441

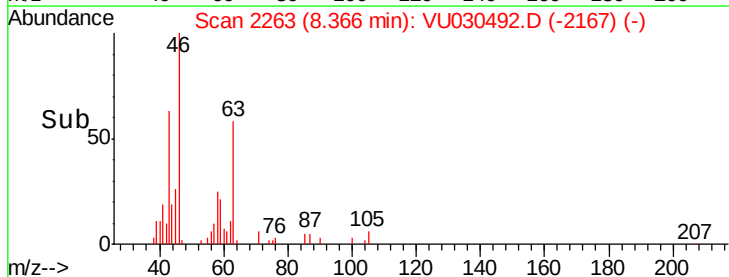
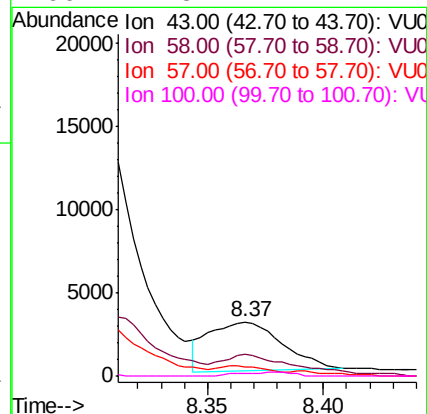
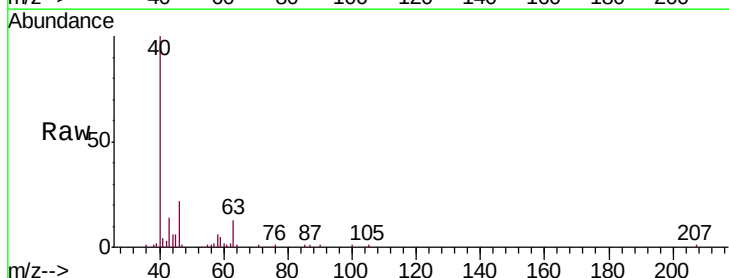
Ion Ratio Lower Upper

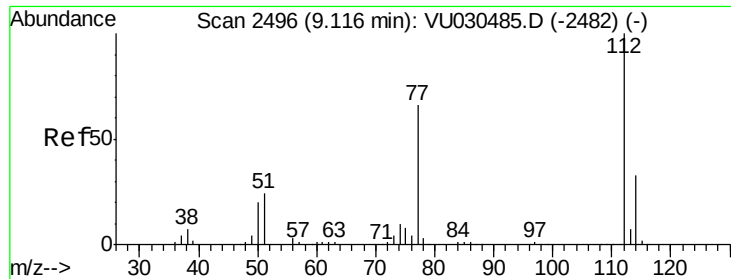
43 100

58 37.1 42.5 63.7#

57 12.1 15.0 22.6#

100 2.3 7.4 11.2#





#51

Chlorobenzene

Concen: 2.529 ug/L

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU030492.D

Acq: 27 Mar 2019 18:44

Instrument :

MSVOA_U

ClientSampleId :

C09F4

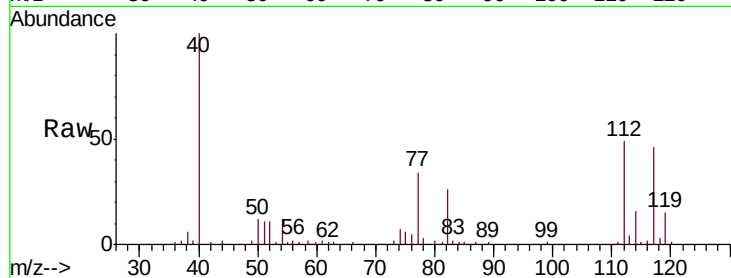
Tgt Ion: 112 Resp: 21430

Ion Ratio Lower Upper

112 100

114 33.5 21.5 39.9

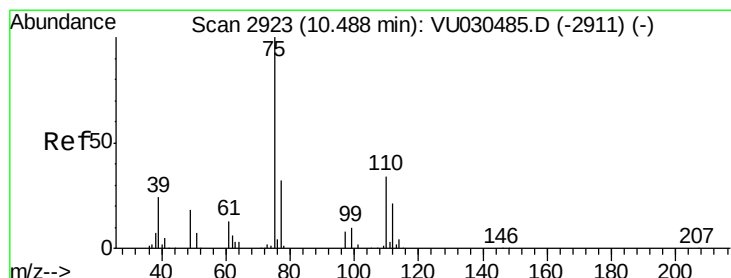
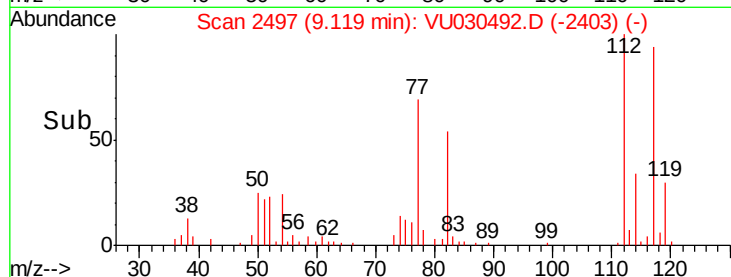
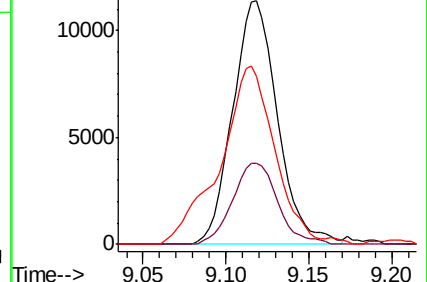
77 69.2 51.4 77.0



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): V



#59

1,2,3-Trichloropropane

Concen: 5.610 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030492.D

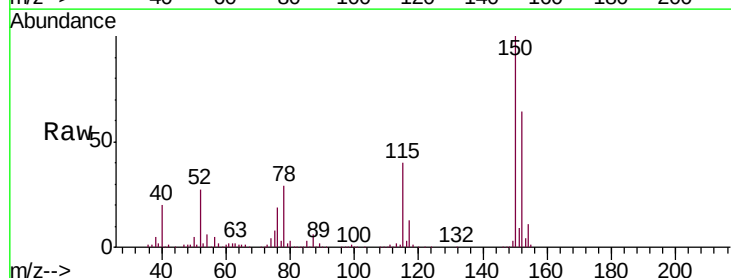
Acq: 27 Mar 2019 18:44

Tgt Ion: 75 Resp: 26105

Ion Ratio Lower Upper

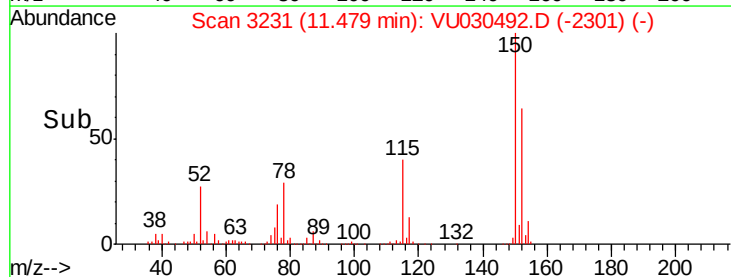
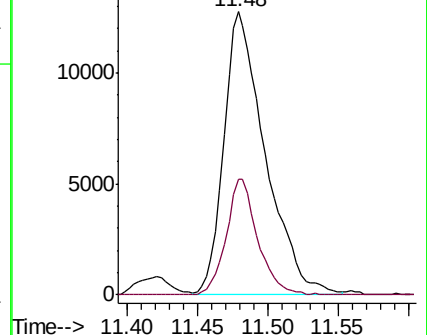
75 100

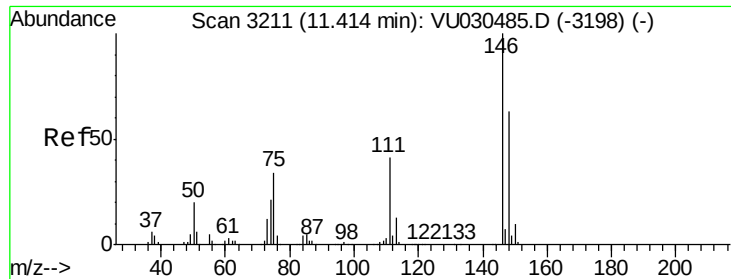
77 31.0 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

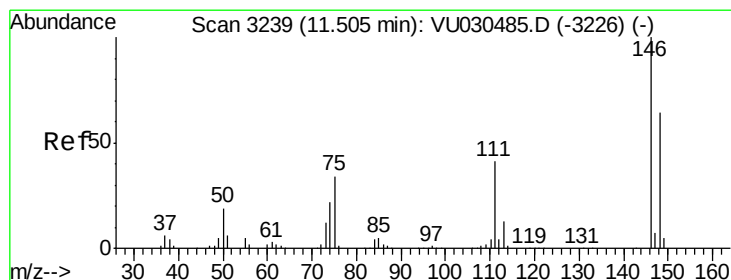
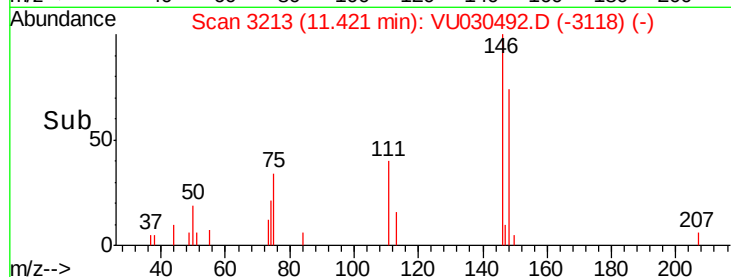
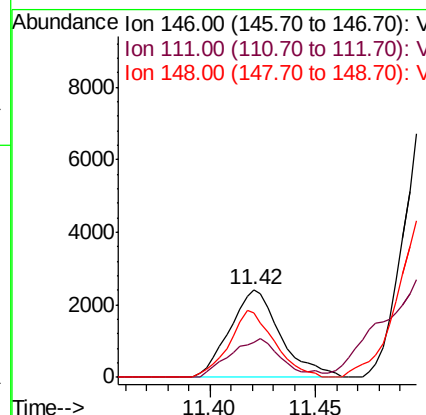
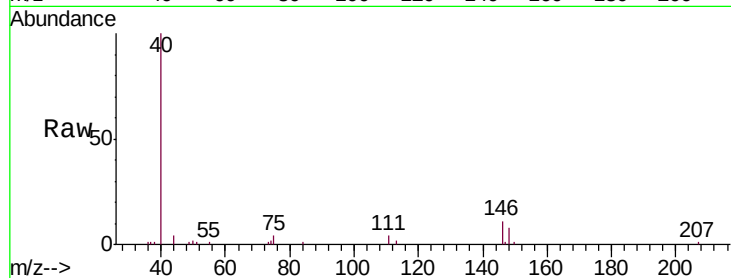




#62
 1,3-Dichlorobenzene
 Concen: 0.772 ug/L
 RT: 11.42 min Scan# 3213
 Delta R.T. 0.01 min
 Lab File: VU030492.D
 Acq: 27 Mar 2019 18:44

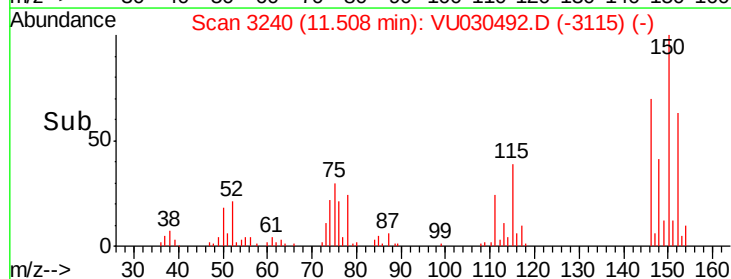
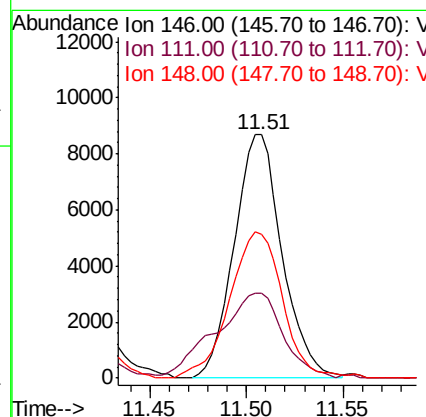
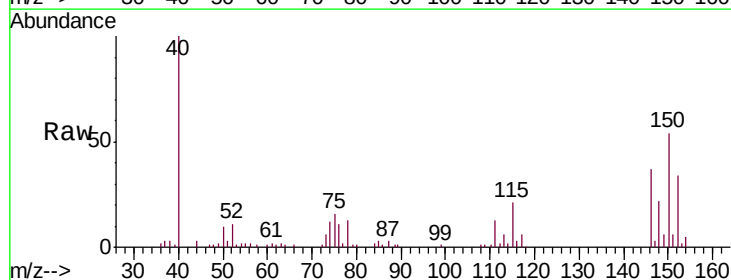
Instrument :
 MSVOA_U
 ClientSampled :
 C09F4

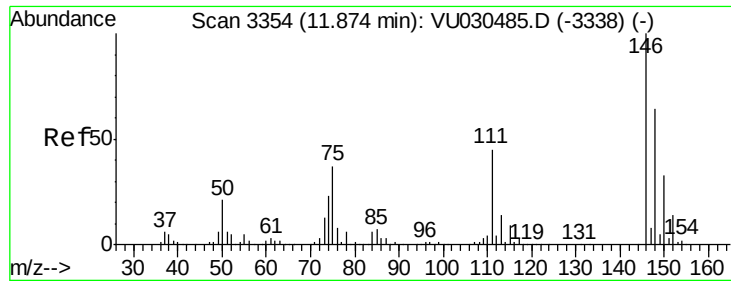
Tgt Ion:146 Resp: 4041
 Ion Ratio Lower Upper
 146 100
 111 40.4 29.2 54.2
 148 73.9 44.4 82.4



#63
 1,4-Dichlorobenzene
 Concen: 2.778 ug/L
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU030492.D
 Acq: 27 Mar 2019 18:44

Tgt Ion:146 Resp: 14967
 Ion Ratio Lower Upper
 146 100
 111 34.9 28.7 53.3
 148 59.2 44.3 82.3

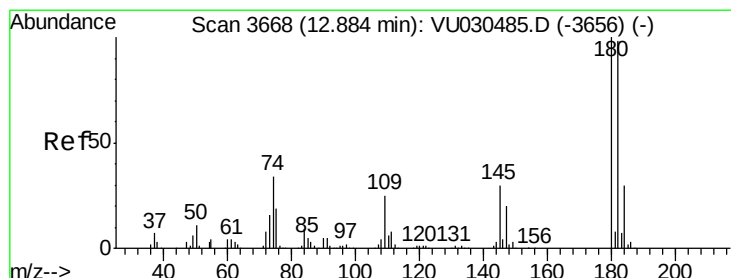
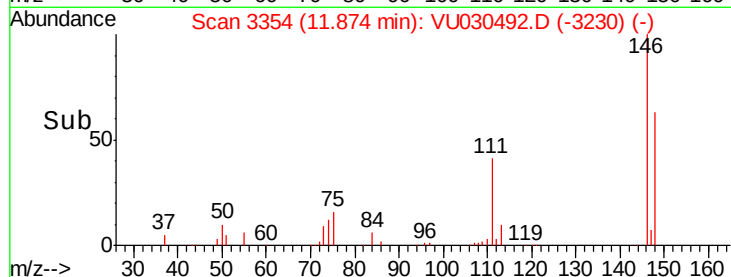
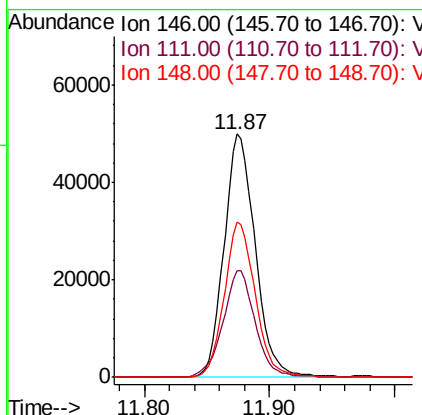
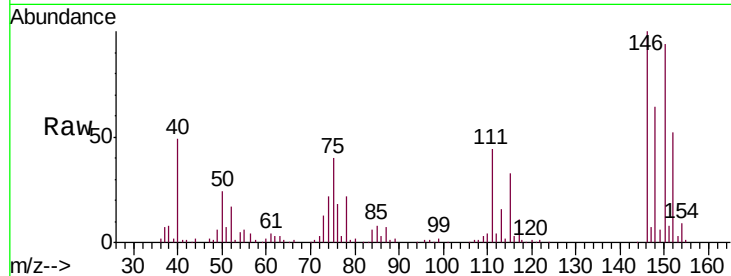




#65
 1,2-Dichlorobenzene
 Concen: 16.355 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030492.D
 Acq: 27 Mar 2019 18:44

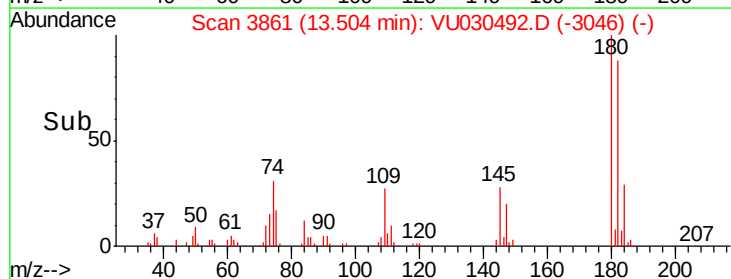
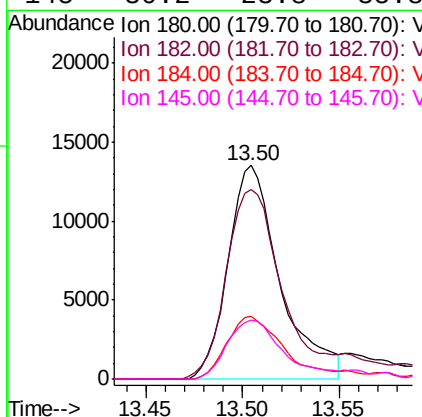
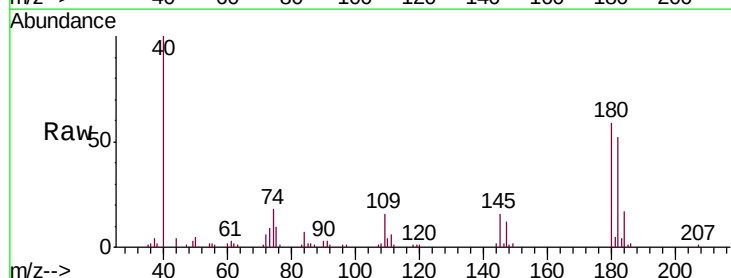
Instrument :
 MSVOA_U
 ClientSampleId :
 C09F4

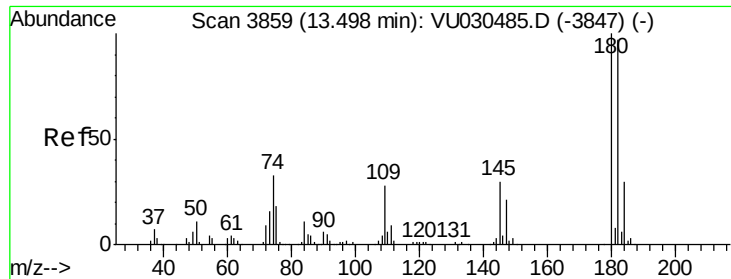
Tgt Ion:146 Resp: 86560
 Ion Ratio Lower Upper
 146 100
 111 43.6 34.9 52.3
 148 63.6 51.2 76.8



#67
 1,3,5-Trichlorobenzene
 Concen: 6.470 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.62 min
 Lab File: VU030492.D
 Acq: 27 Mar 2019 18:44

Tgt Ion:180 Resp: 25351
 Ion Ratio Lower Upper
 180 100
 182 93.5 75.9 113.9
 184 31.3 24.1 36.1
 145 30.2 23.8 35.8

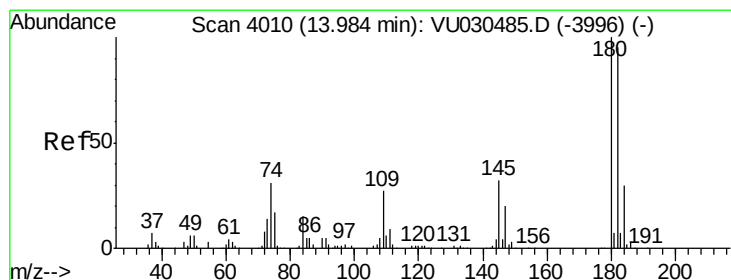
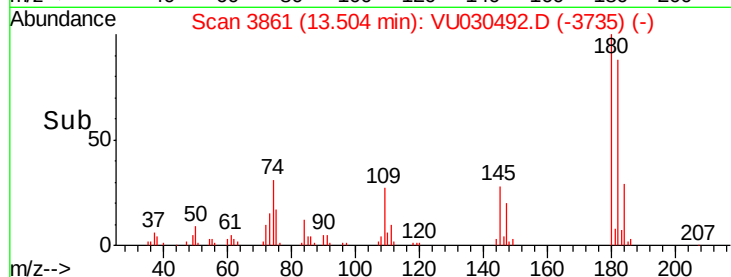
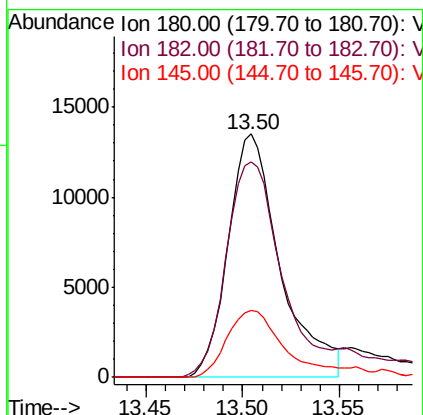
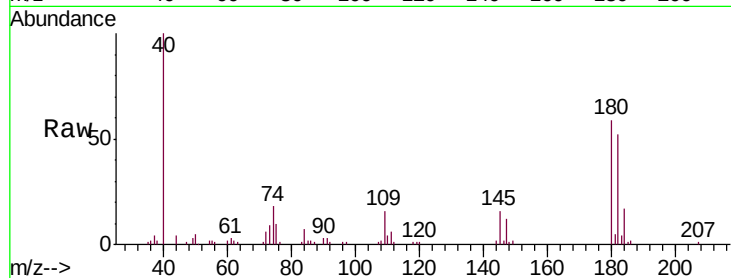




#68
 1,2,4-trichlorobenzene
 Concen: 7.446 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.01 min
 Lab File: VU030492.D
 Acq: 27 Mar 2019 18:44

Instrument :
 MSVOA_U
 ClientSampleId :
 C09F4

Tgt Ion:180 Resp: 25351
 Ion Ratio Lower Upper
 180 100
 182 93.5 76.1 114.1
 145 30.2 24.5 36.7



#70
 1,2,3-Trichlorobenzene
 Concen: 1.425 ug/L
 RT: 13.99 min Scan# 4013
 Delta R.T. 0.01 min
 Lab File: VU030492.D
 Acq: 27 Mar 2019 18:44

Tgt Ion:180 Resp: 5123
 Ion Ratio Lower Upper
 180 100
 182 112.9 77.4 116.2
 145 23.2 25.9 38.9#

