

Data File : VU030386.D
Acq On : 25 Mar 2019 00:05
Operator : JC/SP
Sample : K2016-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09E7

Quant Time: Mar 25 05:52:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 05:48:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	394724	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	362412	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	138620	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	131016	41.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.48%
7) Chloroethane-d5	1.68	69	110212	43.77	ug/L	0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.54%
11) 1,1-Dichloroethene-d2	2.27	63	197587	32.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.58%
21) 2-Butanone-d5	4.17	46	285153	95.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.49%
24) Chloroform-d	4.64	84	251880	46.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.04%
26) 1,2-Dichloroethane-d4	5.31	65	169489	47.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.64%
32) Benzene-d6	5.34	84	519317	49.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.94%
36) 1,2-Dichloropropane-d6	6.33	67	183224	51.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.06%
41) Toluene-d8	7.56	98	442602	47.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.84%
43) trans-1,3-Dichloropropene-	7.85	79	67599	40.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.86%
47) 2-Hexanone-d5	8.31	63	181664	94.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.28%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	244769	48.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	144393	51.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.98%

Target Compounds

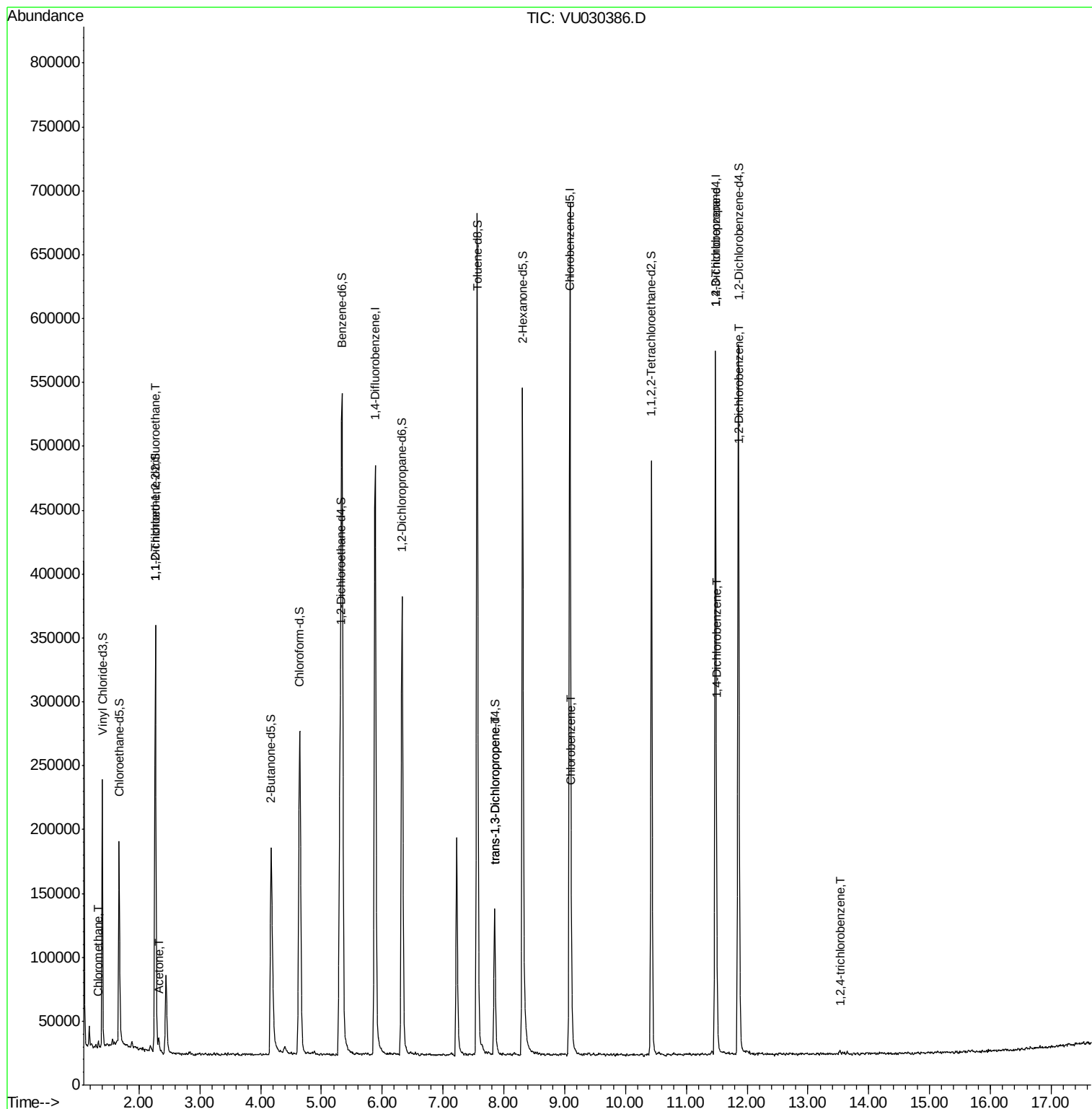
					Qvalue
3) Chloromethane	1.33	50	3636	0.746 ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1680	0.583 ug/L #	21
13) Acetone	2.32	43	8811	2.918 ug/L	92
44) trans-1,3-Dichloropropene	7.85	75	2682	0.606 ug/L #	75
51) Chlorobenzene	9.12	112	14191	1.829 ug/L	97
59) 1,2,3-Trichloropropane	11.48	75	22793	5.349 ug/L	92
63) 1,4-Dichlorobenzene	11.50	146	12505	2.680 ug/L	97
65) 1,2-Dichlorobenzene	11.87	146	10700	2.334 ug/L	94
68) 1,2,4-trichlorobenzene	13.53	180	1226	0.416 ug/L #	73

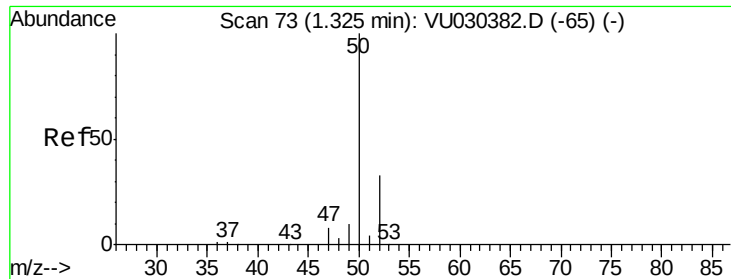
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.746 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

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Acq: 25 Mar 2019 00:05

Instrument :

MSVOA_U

ClientSampleId :

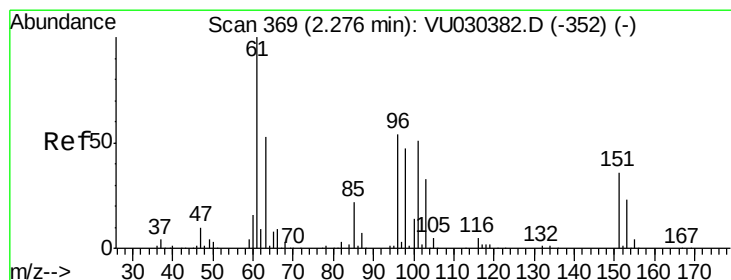
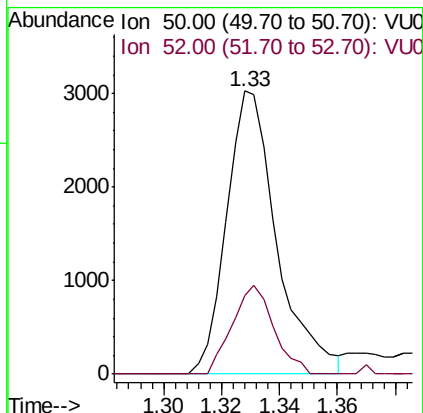
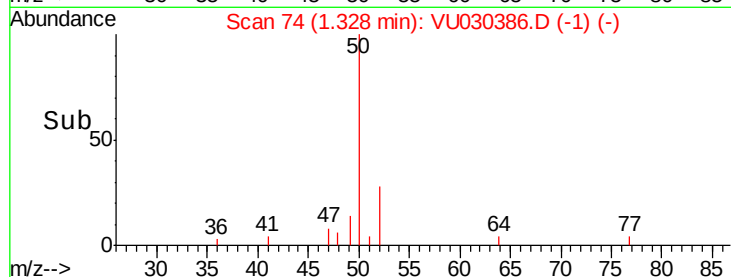
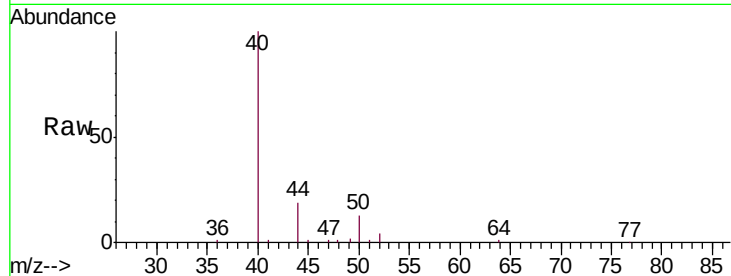
C09E7

Tgt Ion: 50 Resp: 3636

Ion Ratio Lower Upper

50 100

52 27.9 23.0 42.6



#10

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

Concen: 0.583 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030386.D

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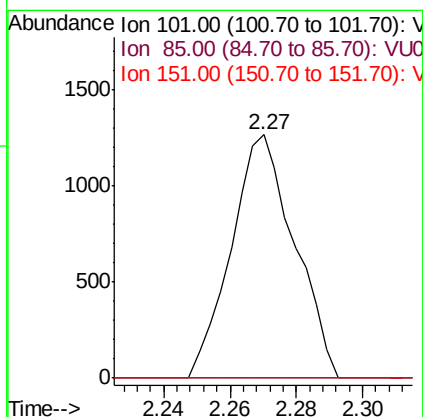
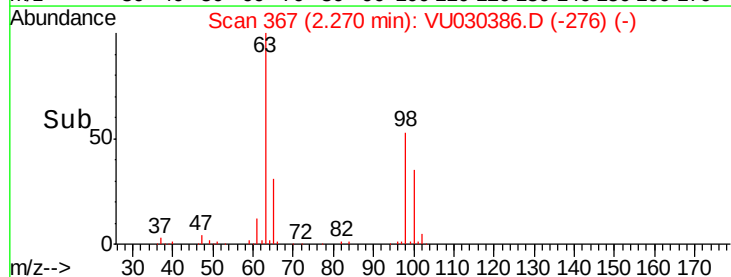
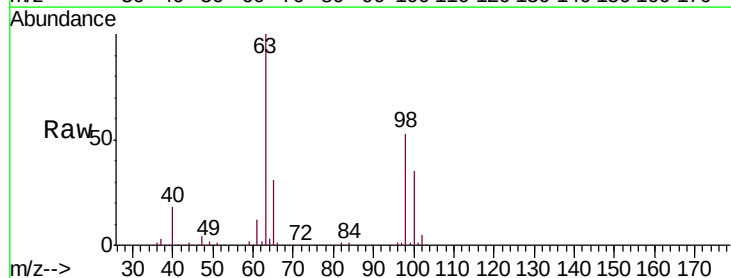
Tgt Ion: 101 Resp: 1680

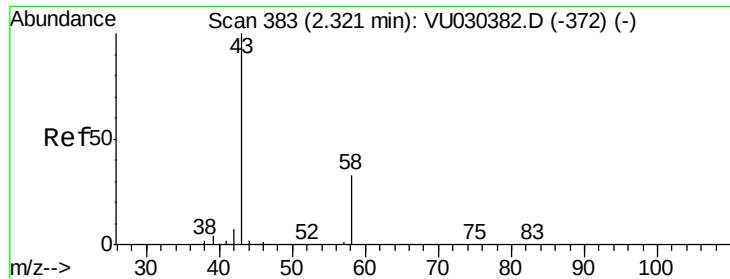
Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

151 0.0 56.6 85.0#





#13

Acetone

Concen: 2.918 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030386.D

Acq: 25 Mar 2019 00:05

Instrument :

MSVOA_U

ClientSampleId :

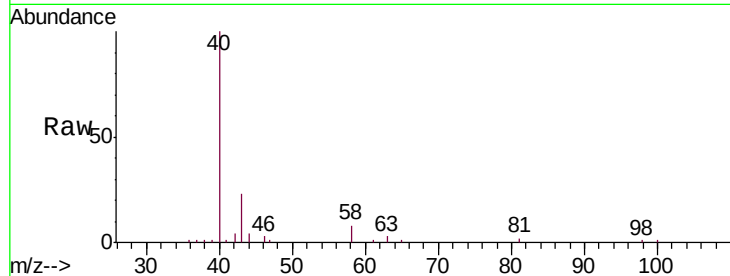
C09E7

Tgt Ion: 43 Resp: 8811

Ion Ratio Lower Upper

43 100

58 36.0 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030382.D (-372) (-)

Ion 58.00 (57.70 to 58.70): VU030382.D (-372) (-)

2.32

6000

5000

4000

3000

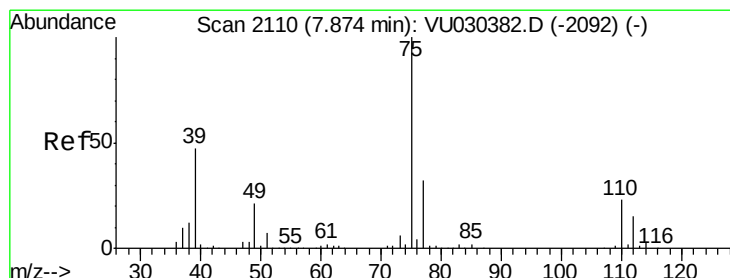
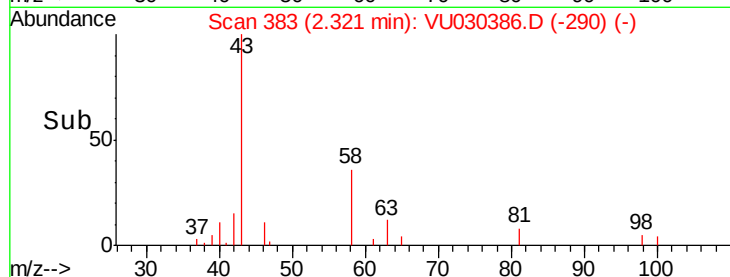
2000

1000

0

Time-->

2.25 2.30 2.35



#44

trans-1,3-Dichloropropene

Concen: 0.606 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030386.D

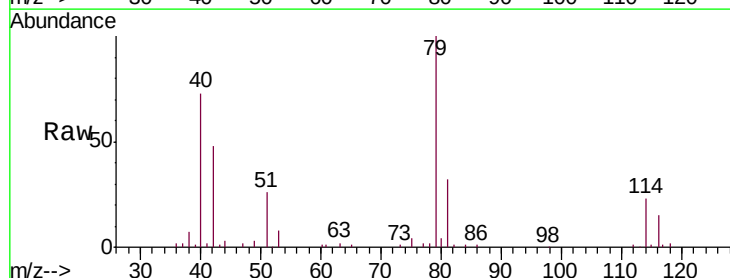
Acq: 25 Mar 2019 00:05

Tgt Ion: 75 Resp: 2682

Ion Ratio Lower Upper

75 100

77 45.3 22.0 40.8#



Abundance Ion 75.00 (74.70 to 75.70): VU030382.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU030382.D (-2092) (-)

7.85

1500

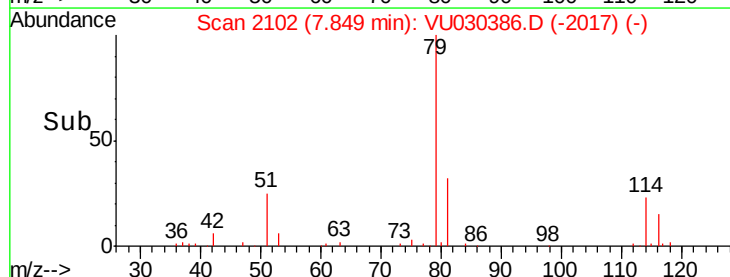
1000

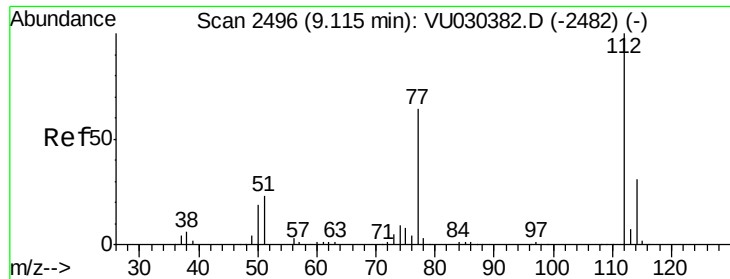
500

0

Time-->

7.80 7.85 7.90





#51

Chlorobenzene

Concen: 1.829 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU030386.D

Acq: 25 Mar 2019 00:05

Instrument :

MSVOA_U

ClientSampleId :

C09E7

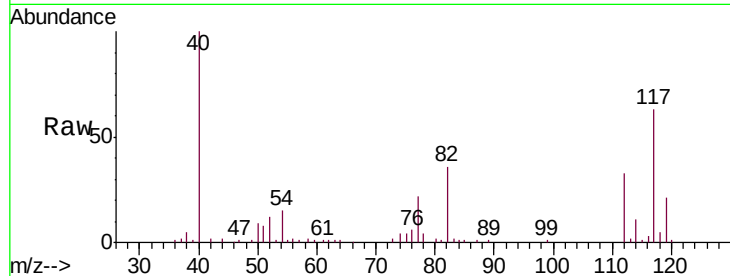
Tgt Ion:112 Resp: 14191

Ion Ratio Lower Upper

112 100

114 33.3 21.5 39.9

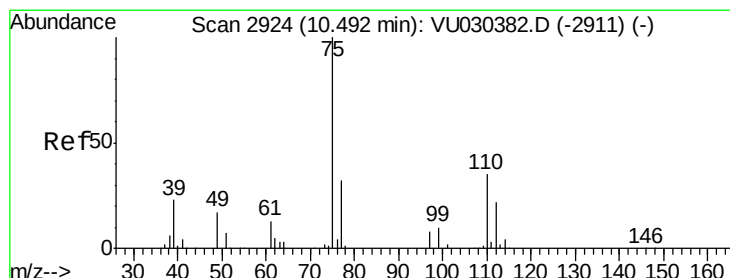
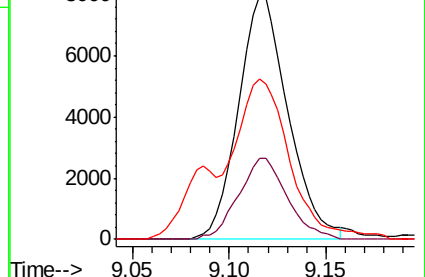
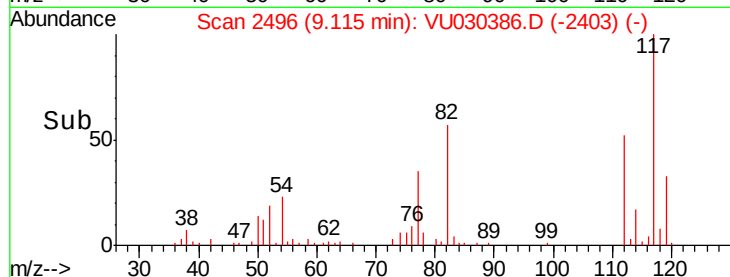
77 66.1 51.4 77.0



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): VU



#59

1,2,3-Trichloropropane

Concen: 5.349 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU030386.D

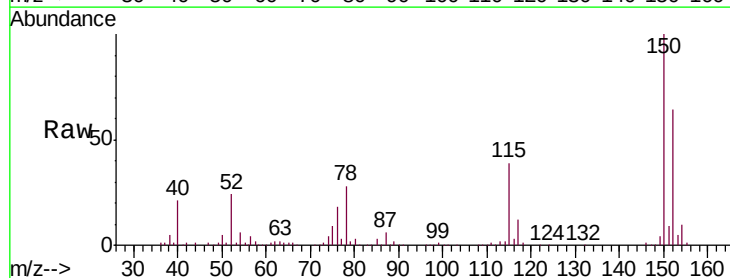
Acq: 25 Mar 2019 00:05

Tgt Ion: 75 Resp: 22793

Ion Ratio Lower Upper

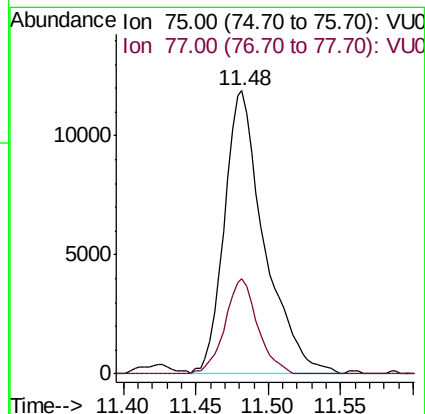
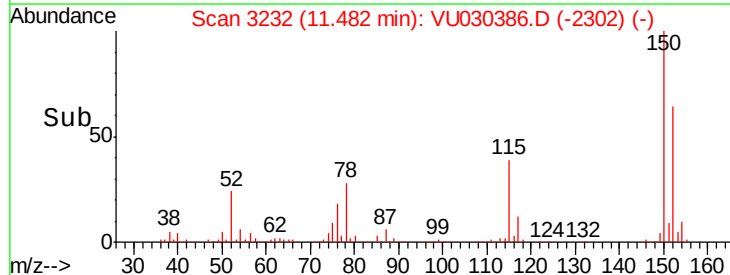
75 100

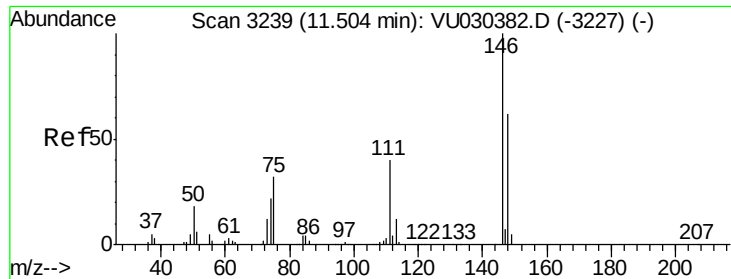
77 27.5 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

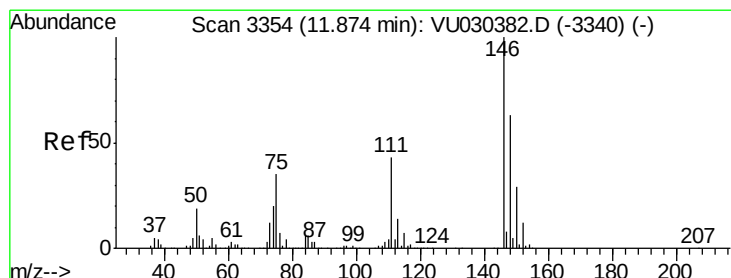
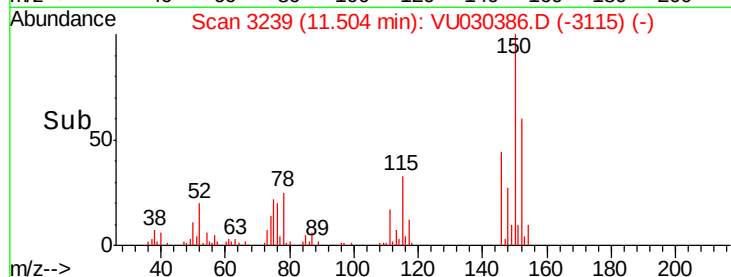
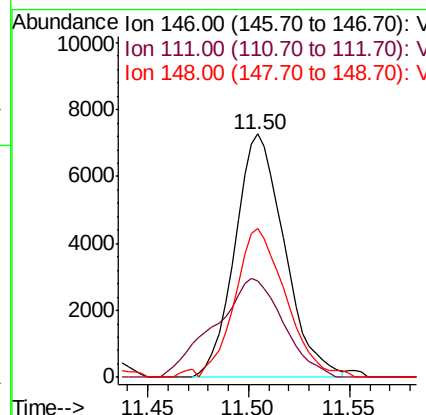
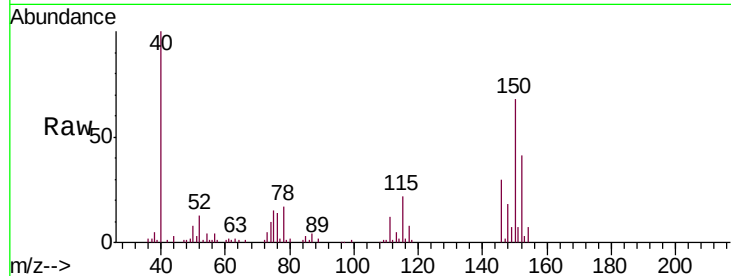




#63
 1,4-Dichlorobenzene
 Concen: 2.680 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030386.D
 Acq: 25 Mar 2019 00:05

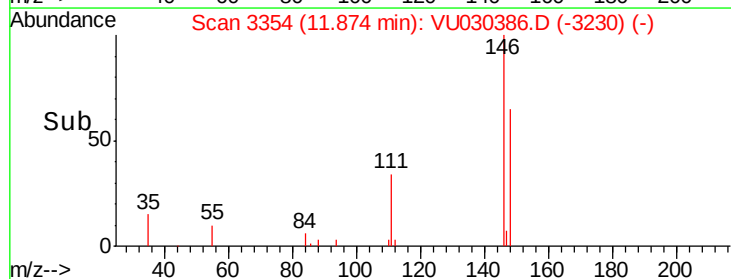
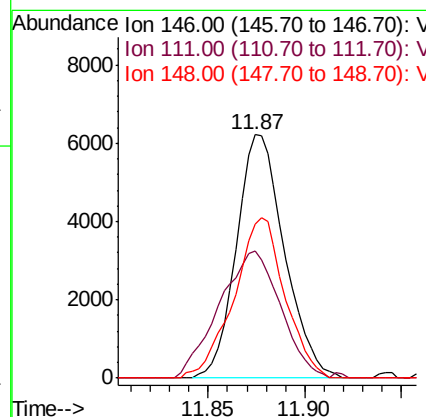
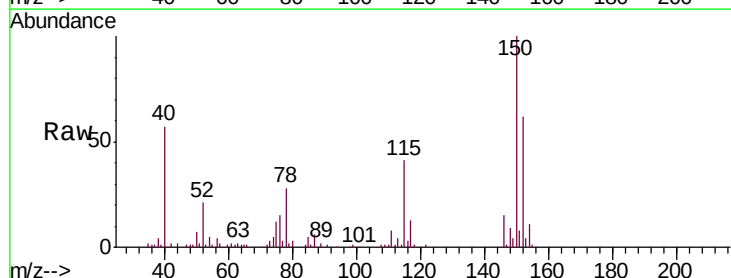
Instrument :
 MSVOA_U
 ClientSampleId :
 C09E7

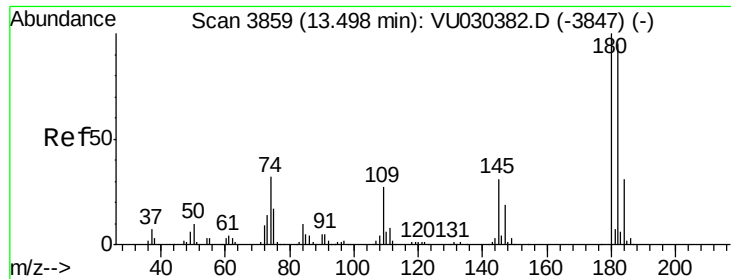
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	28.7	53.3
148	61.2	44.3	82.3



#65
 1,2-Dichlorobenzene
 Concen: 2.334 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU030386.D
 Acq: 25 Mar 2019 00:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	52.3	34.9	52.3
148	63.2	51.2	76.8





#68
 1,2,4-trichlorobenzene
 Concen: 0.416 ug/L
 RT: 13.53 min Scan# 3870
 Delta R.T. 0.04 min
 Lab File: VU030386.D
 Acq: 25 Mar 2019 00:05

Instrument :
 MSVOA_U
 ClientSampleId :
 C09E7

Tgt Ion:180 Resp: 1226
 Ion Ratio Lower Upper
 180 100
 182 75.4 76.1 114.1#
 145 4.2 24.5 36.7#

