

Data File : VU030415.D
Acq On : 25 Mar 2019 20:17
Operator : JC/SP
Sample : K2016-17RE
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09E6

Quant Time: Mar 26 01:31:50 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	467422	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	437647	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	172077	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	195535	51.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.96%
7) Chloroethane-d5	1.68	69	153923	51.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.24%
11) 1,1-Dichloroethene-d2	2.27	63	264709	37.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.20%
21) 2-Butanone-d5	4.17	46	328166	92.80	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.80%
24) Chloroform-d	4.64	84	306284	47.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.52%
26) 1,2-Dichloroethane-d4	5.31	65	202476	47.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.48%
32) Benzene-d6	5.34	84	641025	51.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.16%
36) 1,2-Dichloropropane-d6	6.33	67	222035	51.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.42%
41) Toluene-d8	7.56	98	548697	48.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.36%
43) trans-1,3-Dichloropropene-	7.85	79	94079	46.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.18%
47) 2-Hexanone-d5	8.31	63	206222	88.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.62%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	282922	46.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.08%
64) 1,2-Dichlorobenzene-d4	11.86	152	175186	50.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.62%

Target Compounds

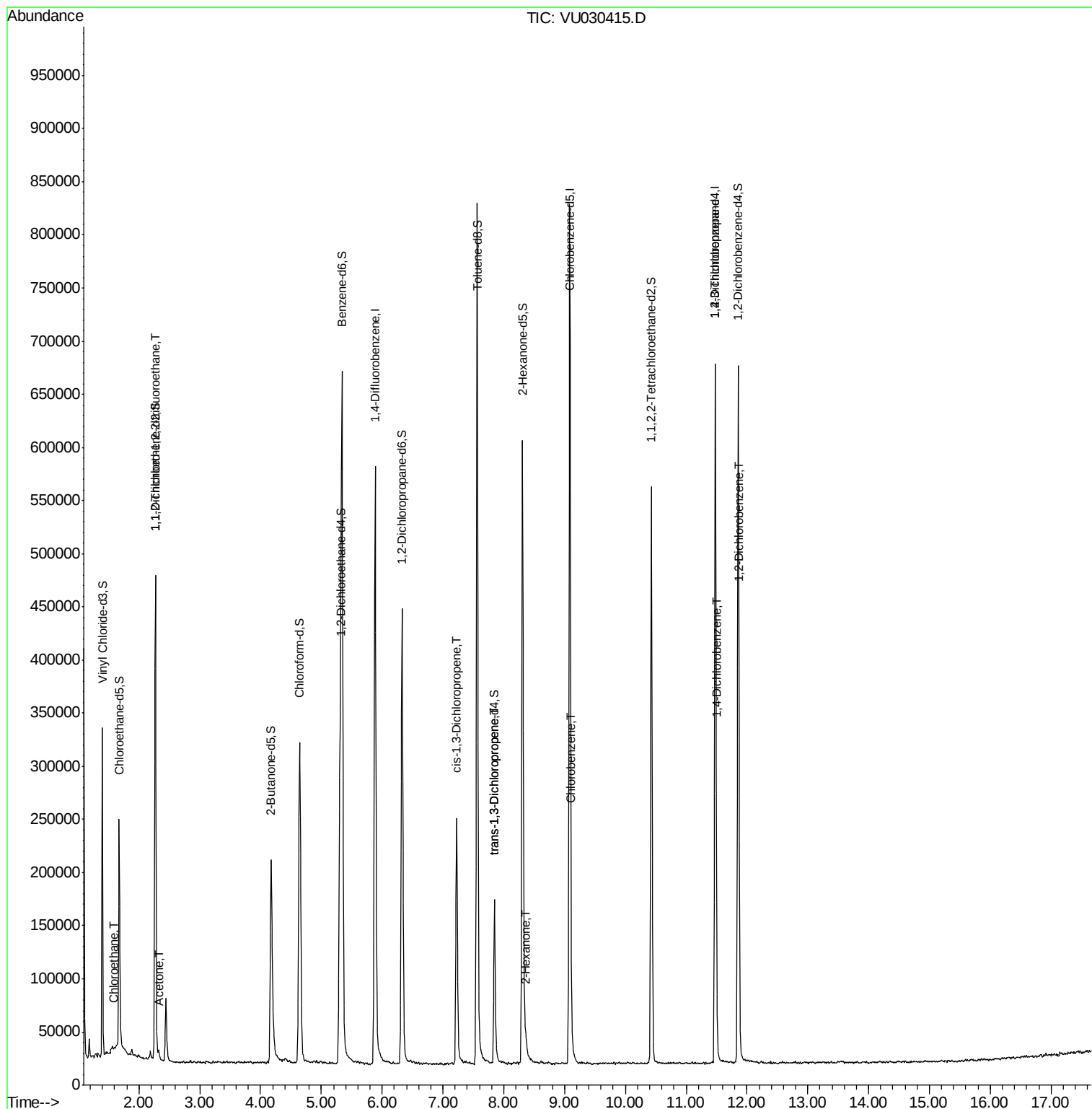
					Qvalue
8) Chloroethane	1.58	64	3204	1.038 ug/L #	51
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2148	0.630 ug/L #	21
13) Acetone	2.32	43	6627	1.853 ug/L	100
39) cis-1,3-Dichloropropene	7.22	75	5831	0.960 ug/L #	64
44) trans-1,3-Dichloropropene	7.85	75	3504	0.655 ug/L #	77
48) 2-Hexanone	8.37	43	5670	0.974 ug/L #	40
51) Chlorobenzene	9.12	112	8202	0.875 ug/L #	85
59) 1,2,3-Trichloropropane	11.48	75	24371	4.736 ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	6087	1.051 ug/L	93
65) 1,2-Dichlorobenzene	11.88	146	5667	0.996 ug/L	93

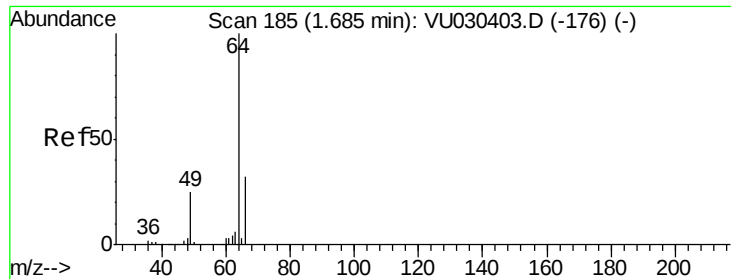
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 26 01:25:56 2019
Response via : Initial Calibration





#8

Chloroethane

Concen: 1.038 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.10 min

Lab File: VU030415.D

Acq: 25 Mar 2019 20:17

Instrument :

MSVOA_U

ClientSampleId :

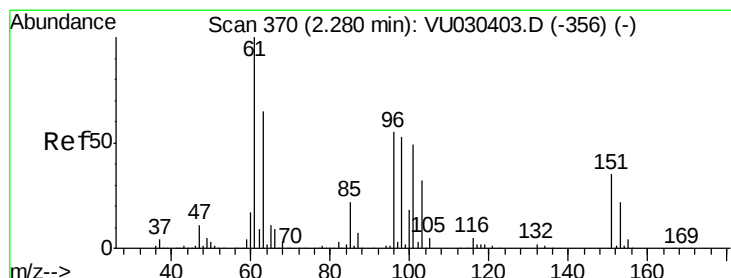
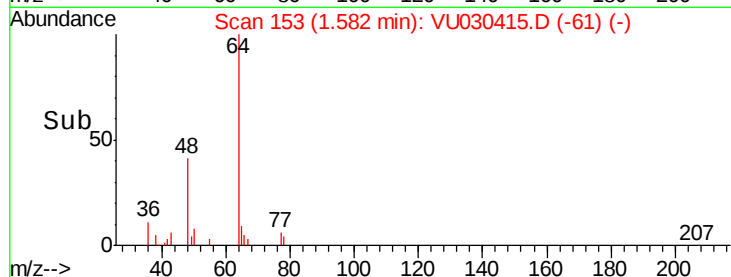
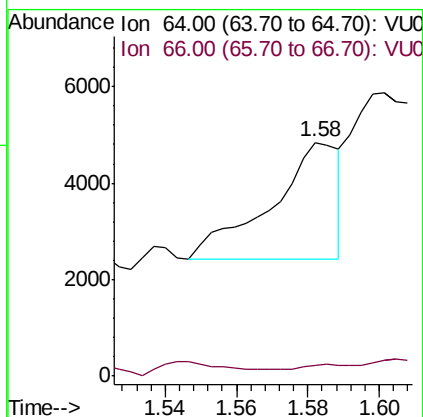
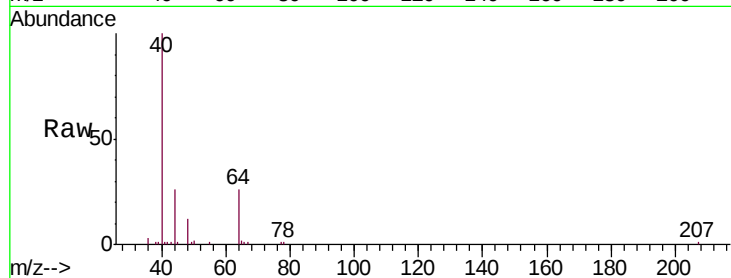
C09E6

Tgt Ion: 64 Resp: 3204

Ion Ratio Lower Upper

64 100

66 4.6 22.5 41.7#



#10

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

Concen: 0.630 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030415.D

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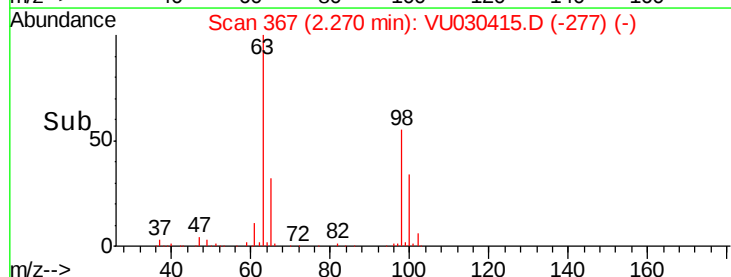
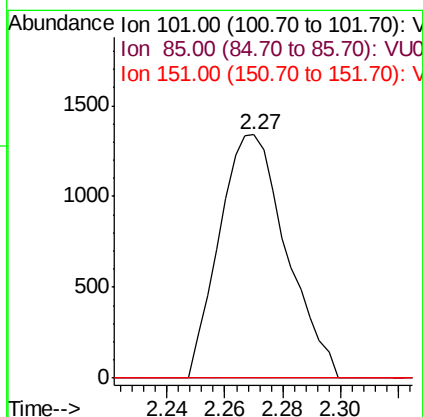
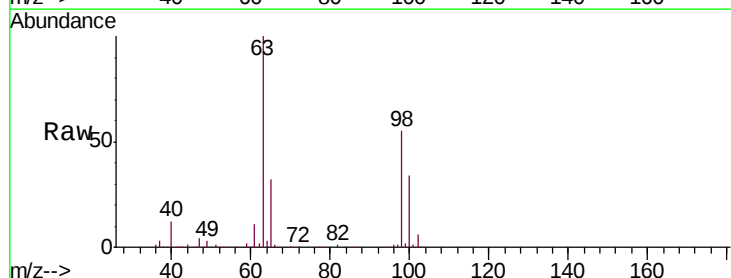
Tgt Ion: 101 Resp: 2148

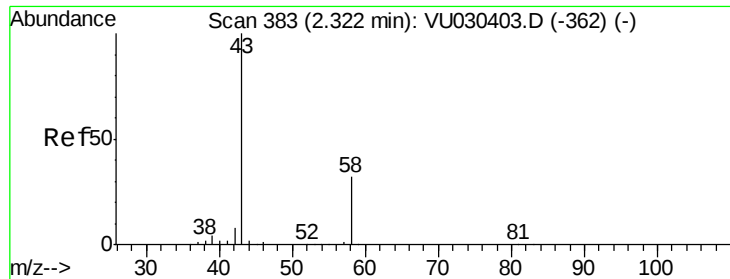
Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

151 0.0 56.6 85.0#





#13

Acetone

Concen: 1.853 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VU030415.D

Acq: 25 Mar 2019 20:17

Instrument :

MSVOA_U

ClientSampleId :

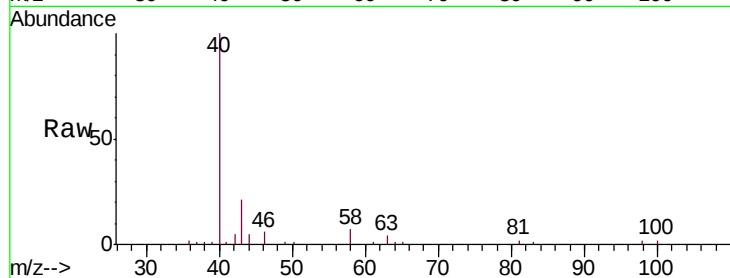
C09E6

Tgt Ion: 43 Resp: 6627

Ion Ratio Lower Upper

43 100

58 31.3 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030415.D (-290) (-)

Ion 58.00 (57.70 to 58.70): VU030415.D (-290) (-)

2.32

4000

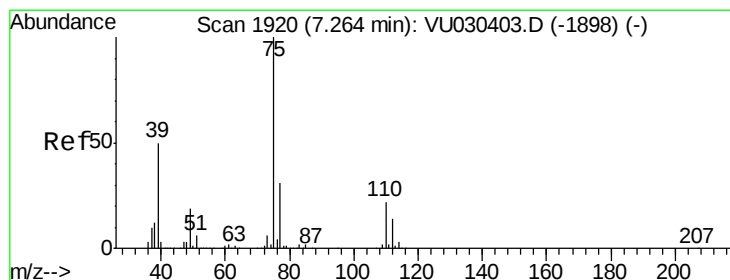
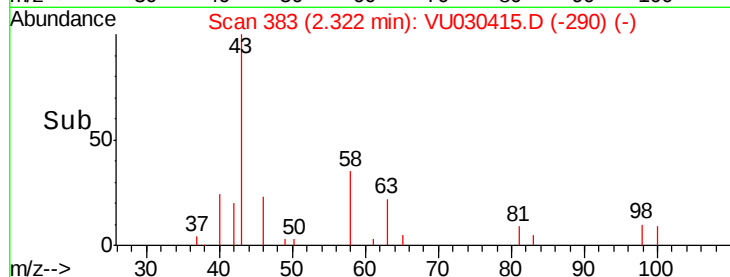
3000

2000

1000

0

Time--> 2.25 2.30 2.35



#39

cis-1,3-Dichloropropene

Concen: 0.960 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU030415.D

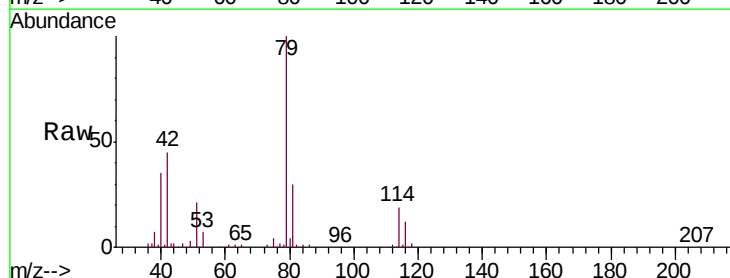
Acq: 25 Mar 2019 20:17

Tgt Ion: 75 Resp: 5831

Ion Ratio Lower Upper

75 100

77 51.2 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU030415.D (-1827) (-)

Ion 77.00 (76.70 to 77.70): VU030415.D (-1827) (-)

7.22

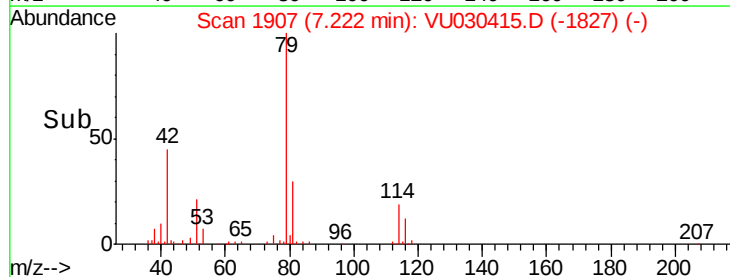
3000

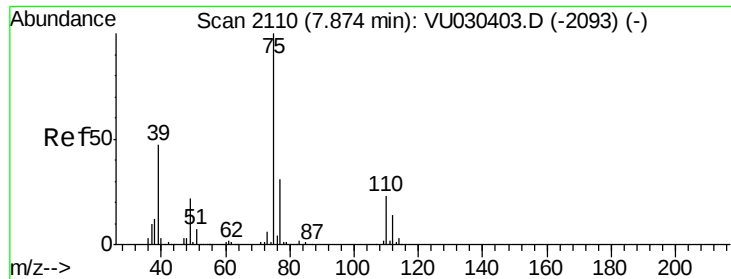
2000

1000

0

Time--> 7.20 7.25 7.30





#44

trans-1,3-Dichloropropene

Concen: 0.655 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU030415.D

Acq: 25 Mar 2019 20:17

Instrument :

MSVOA_U

ClientSampleId :

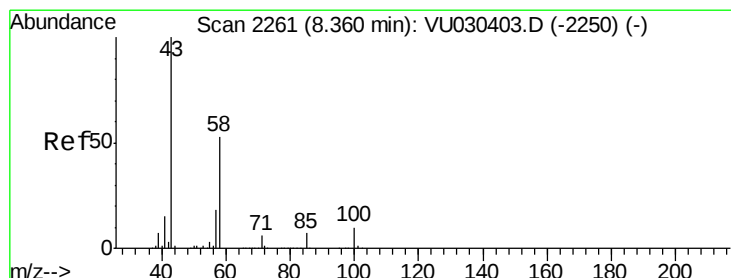
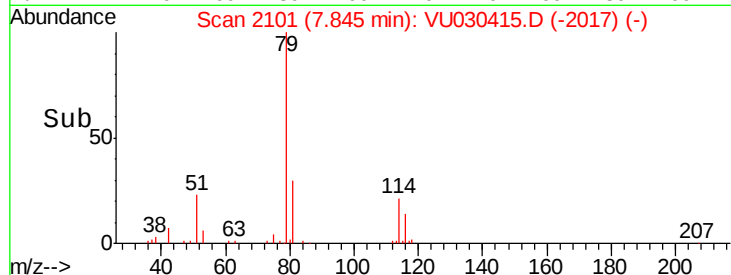
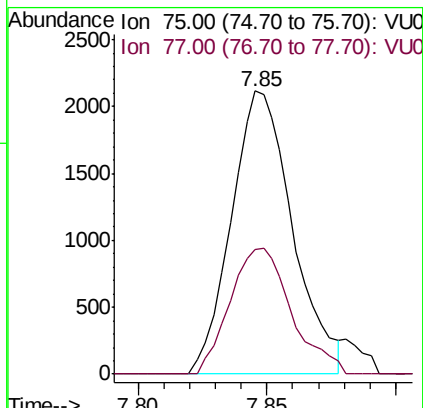
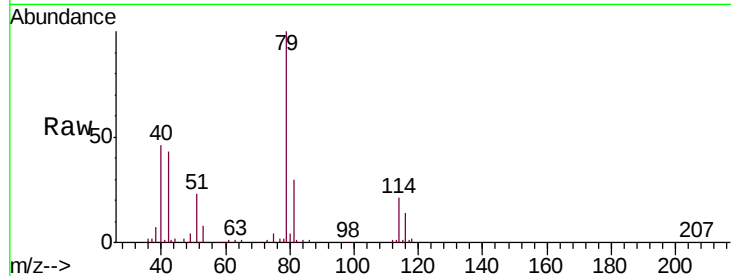
C09E6

Tgt Ion: 75 Resp: 3504

Ion Ratio Lower Upper

75 100

77 44.1 22.0 40.8#



#48

2-Hexanone

Concen: 0.974 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VU030415.D

Acq: 25 Mar 2019 20:17

Tgt Ion: 43 Resp: 5670

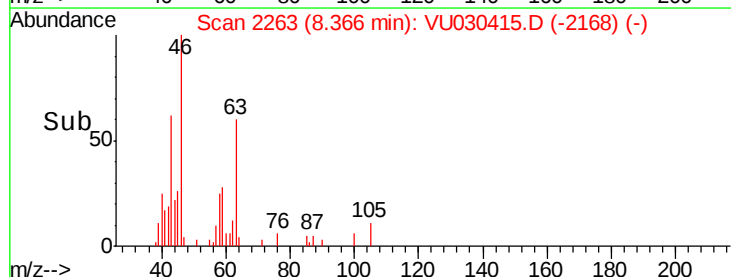
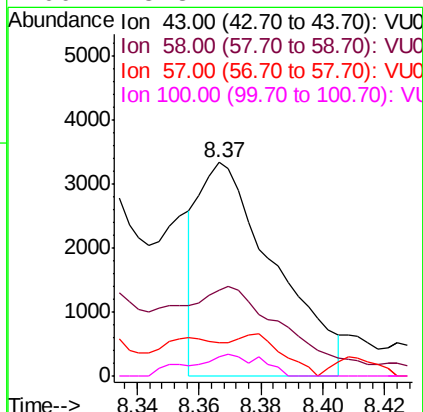
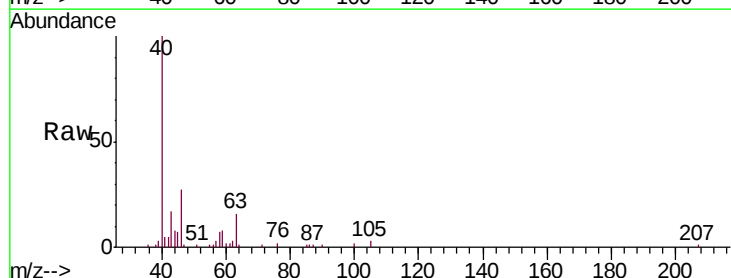
Ion Ratio Lower Upper

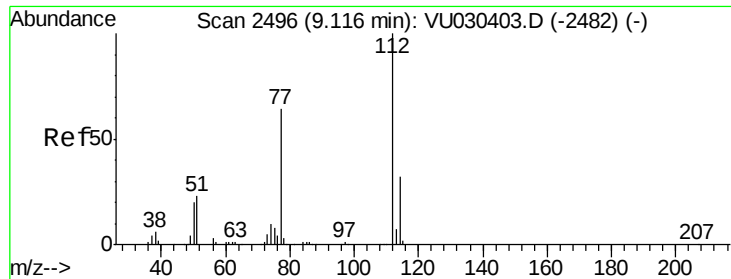
43 100

58 0.0 42.5 63.7#

57 0.0 15.0 22.6#

100 5.3 7.4 11.2#





#51

Chlorobenzene

Concen: 0.875 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU030415.D

Acq: 25 Mar 2019 20:17

Instrument :

MSVOA_U

ClientSampleId :

C09E6

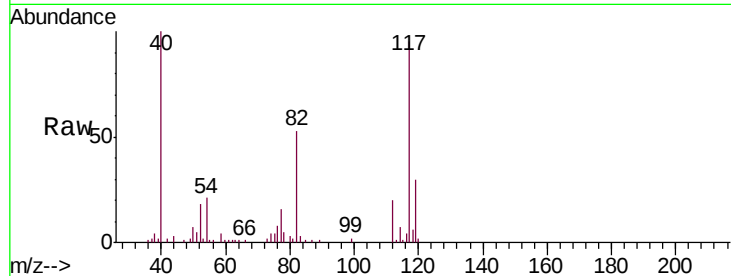
Tgt Ion: 112 Resp: 8202

Ion Ratio Lower Upper

112 100

114 33.6 21.5 39.9

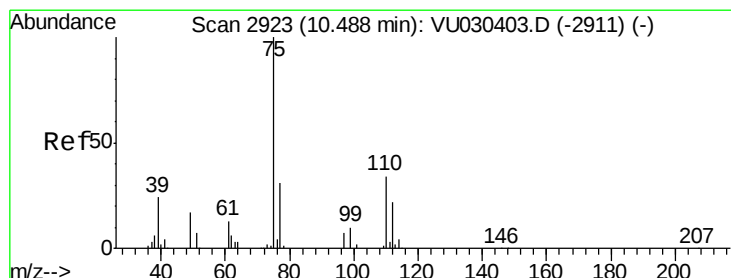
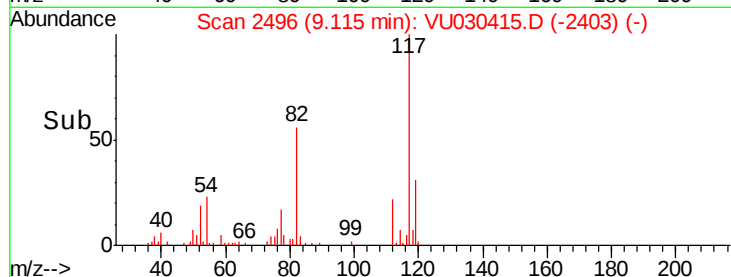
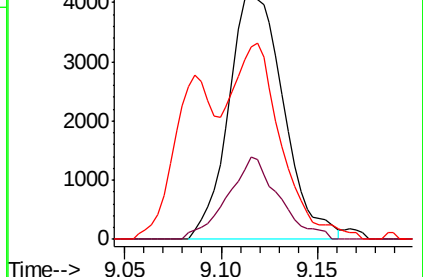
77 79.3 51.4 77.0#



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: 4.736 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030415.D

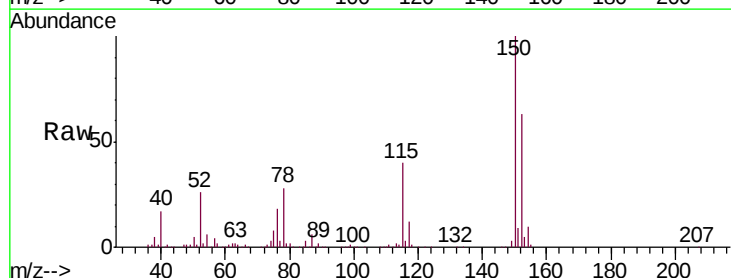
Acq: 25 Mar 2019 20:17

Tgt Ion: 75 Resp: 24371

Ion Ratio Lower Upper

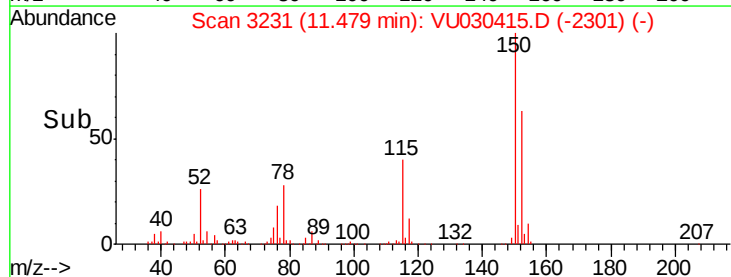
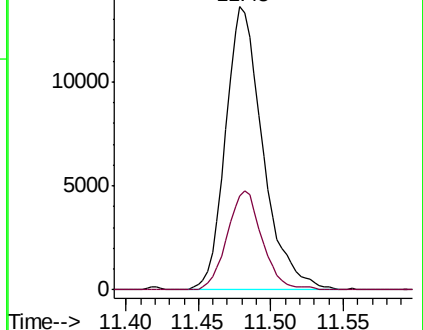
75 100

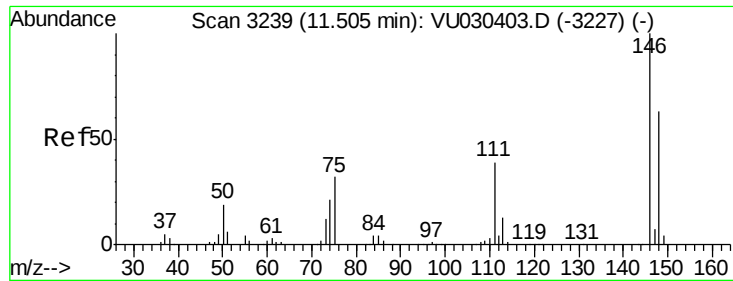
77 32.3 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

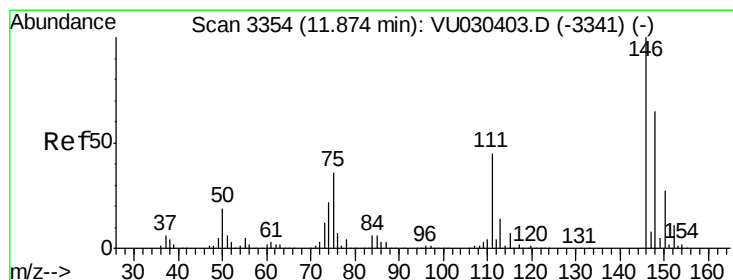
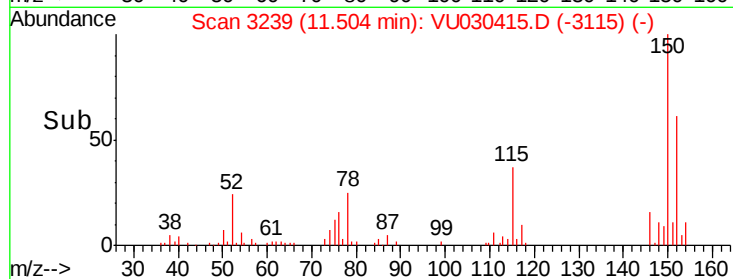
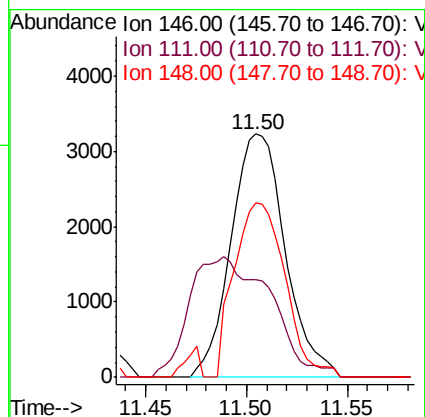
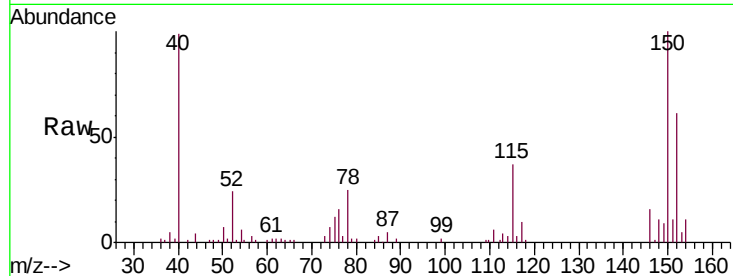




#63
 1,4-Dichlorobenzene
 Concen: 1.051 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030415.D
 Acq: 25 Mar 2019 20:17

Instrument :
 MSVOA_U
 ClientSampleId :
 C09E6

Tgt Ion:146 Resp: 6087
 Ion Ratio Lower Upper
 146 100
 111 40.0 28.7 53.3
 148 71.6 44.3 82.3



#65
 1,2-Dichlorobenzene
 Concen: 0.996 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030415.D
 Acq: 25 Mar 2019 20:17

Tgt Ion:146 Resp: 5667
 Ion Ratio Lower Upper
 146 100
 111 52.3 34.9 52.3
 148 65.5 51.2 76.8

