

Data File : VU030414.D
Acq On : 25 Mar 2019 19:53
Operator : JC/SP
Sample : K2016-16RE
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09E5

Quant Time: Mar 26 01:31:37 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	468408	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	439122	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	170874	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	194147	51.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.00%
7) Chloroethane-d5	1.68	69	149300	49.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.94%
11) 1,1-Dichloroethene-d2	2.27	63	262282	36.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.36%
21) 2-Butanone-d5	4.17	46	312718	88.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.25%
24) Chloroform-d	4.64	84	303713	46.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.52%
26) 1,2-Dichloroethane-d4	5.31	65	201590	47.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.86%
32) Benzene-d6	5.34	84	629972	50.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.06%
36) 1,2-Dichloropropane-d6	6.33	67	222579	51.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.32%
41) Toluene-d8	7.56	98	542048	47.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.86%
43) trans-1,3-Dichloropropene-	7.85	79	92975	45.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.78%
47) 2-Hexanone-d5	8.31	63	207432	88.84	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.84%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	282263	45.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.56%
64) 1,2-Dichlorobenzene-d4	11.86	152	174544	50.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.96%

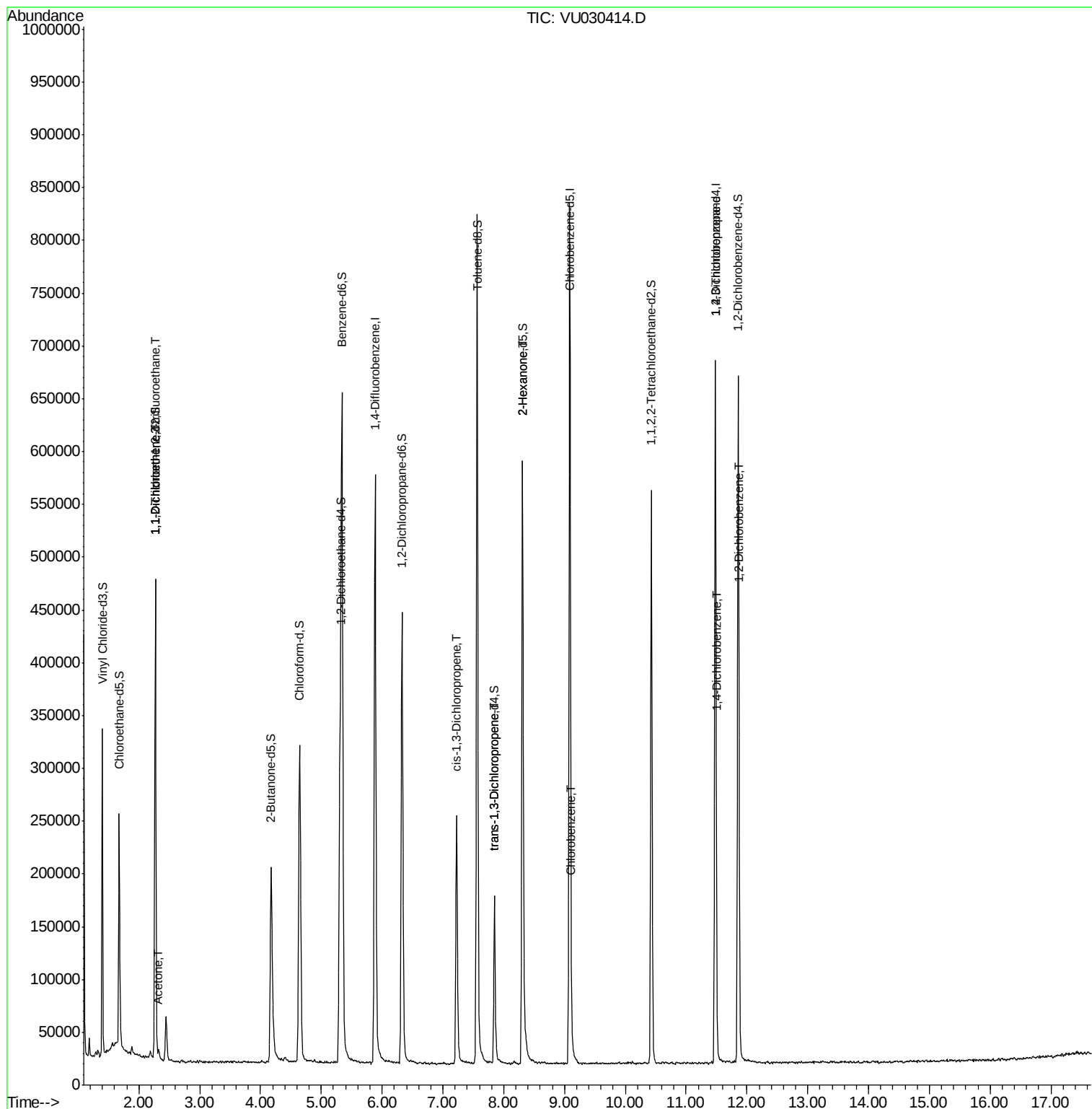
Target Compounds

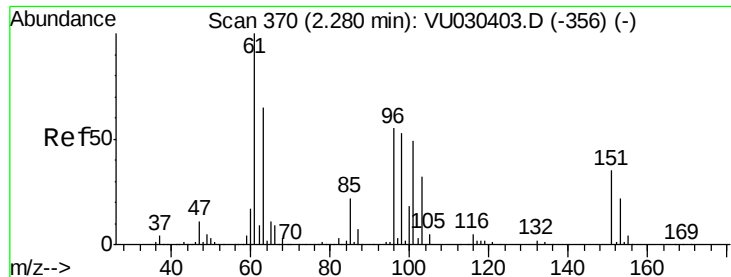
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2227	0.651	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	2062	0.615	ug/L #	1
13) Acetone	2.32	43	7142	1.993	ug/L	91
39) cis-1,3-Dichloropropene	7.22	75	5454	0.894	ug/L #	60
44) trans-1,3-Dichloropropene	7.85	75	3519	0.656	ug/L	92
48) 2-Hexanone	8.31	43	23655	4.051	ug/L #	73
51) Chlorobenzene	9.12	112	9044	0.962	ug/L	91
59) 1,2,3-Trichloropropane	11.48	75	25348	4.909	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	6376	1.108	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	6030	1.067	ug/L	94

(#) = 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: 0.651 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030414.D

Acq: 25 Mar 2019 19:53

Instrument :

MSVOA_U

ClientSampleId :

C09E5

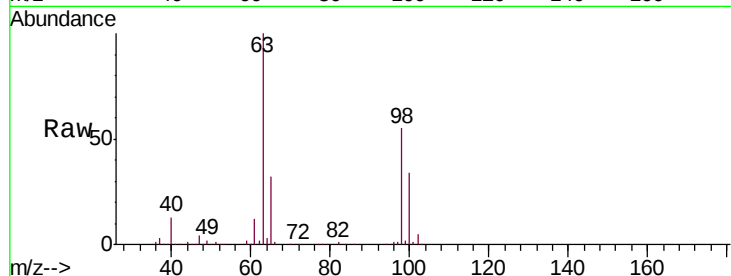
Tgt Ion: 101 Resp: 2227

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

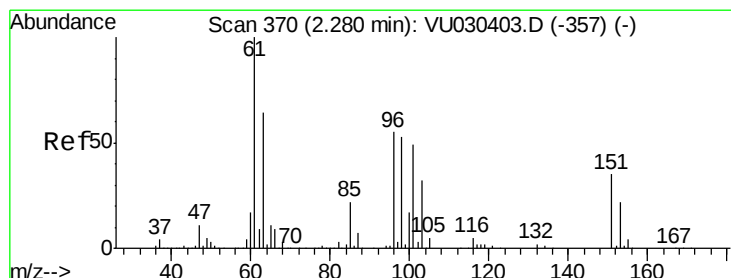
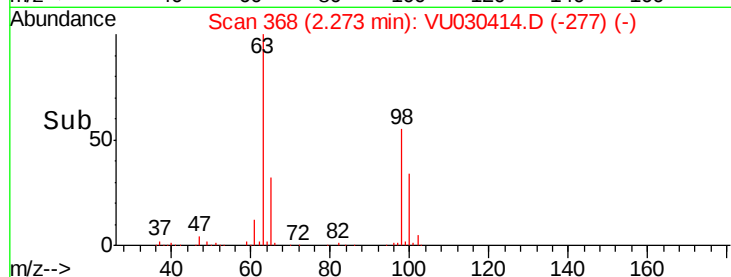
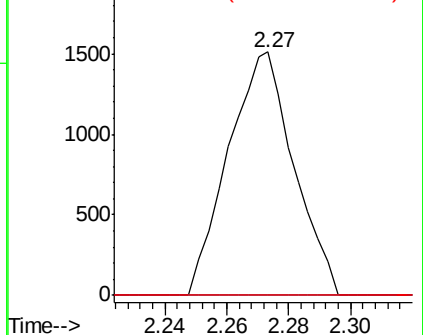
151 0.0 56.6 85.0#



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: 0.615 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030414.D

Acq: 25 Mar 2019 19:53

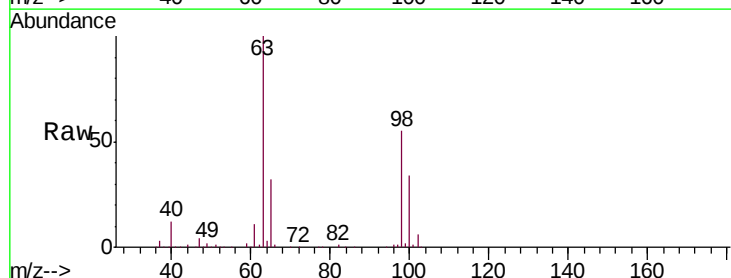
Tgt Ion: 96 Resp: 2062

Ion Ratio Lower Upper

96 100

61 1542.2 131.0 243.4#

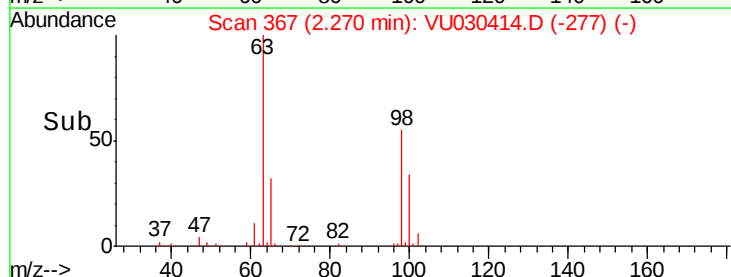
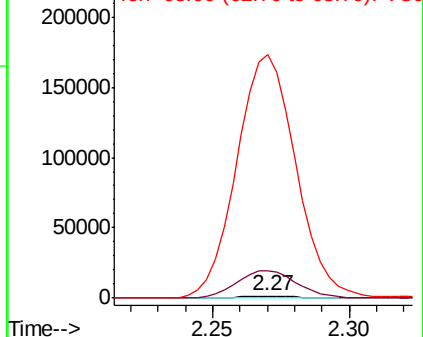
63 13461.4 92.4 171.6#

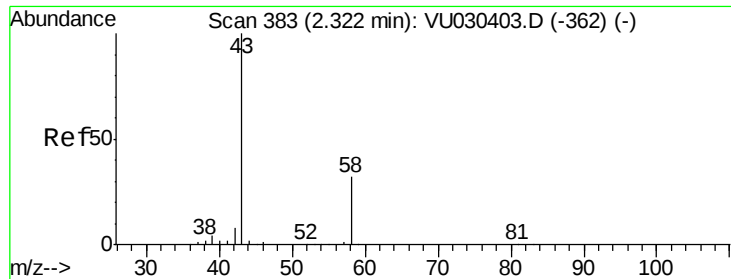


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

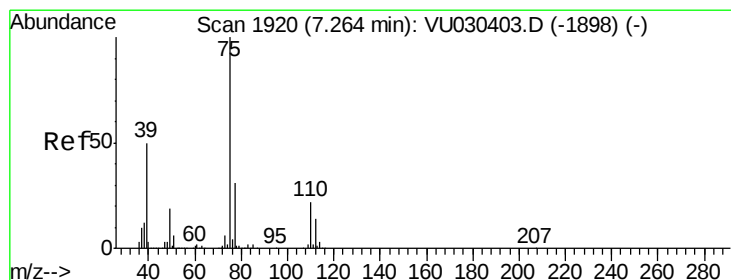
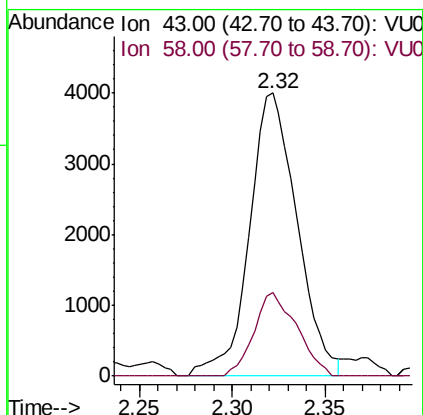
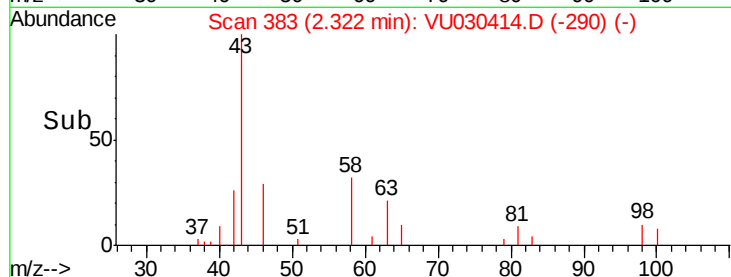
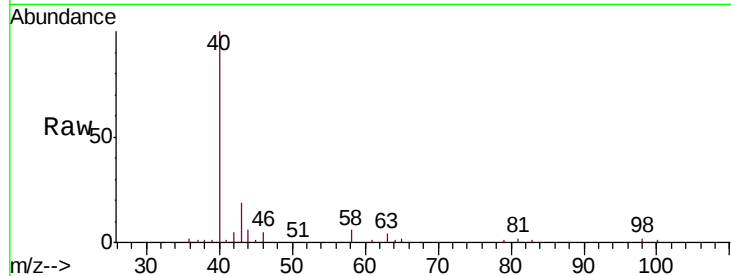




#13
Acetone
Concen: 1.993 ug/L
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU030414.D
Acq: 25 Mar 2019 19:53

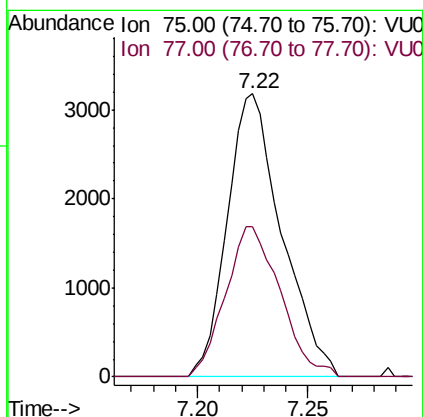
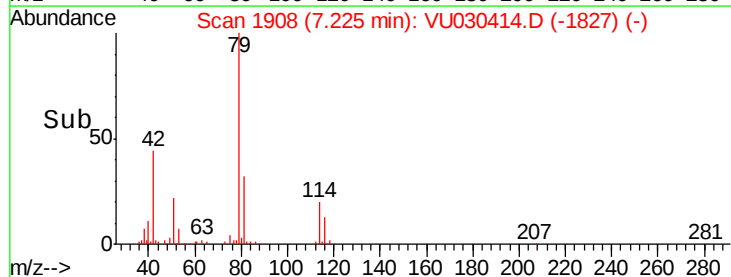
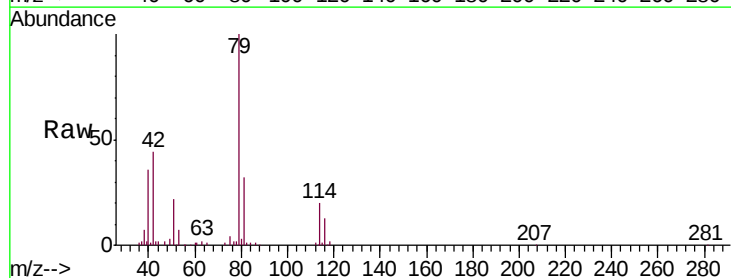
Instrument :
MSVOA_U
ClientSampled :
C09E5

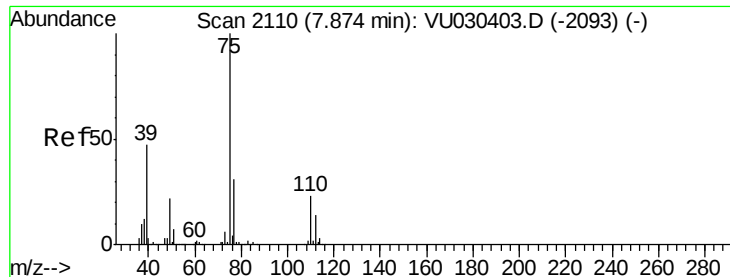
Tgt Ion: 43 Resp: 7142
Ion Ratio Lower Upper
43 100
58 26.6 0.0 62.8



#39
cis-1,3-Dichloropropene
Concen: 0.894 ug/L
RT: 7.22 min Scan# 1908
Delta R.T. -0.04 min
Lab File: VU030414.D
Acq: 25 Mar 2019 19:53

Tgt Ion: 75 Resp: 5454
Ion Ratio Lower Upper
75 100
77 53.2 21.8 40.6#





#44

trans-1,3-Dichloropropene

Concen: 0.656 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030414.D

Acq: 25 Mar 2019 19:53

Instrument :

MSVOA_U

ClientSampleId :

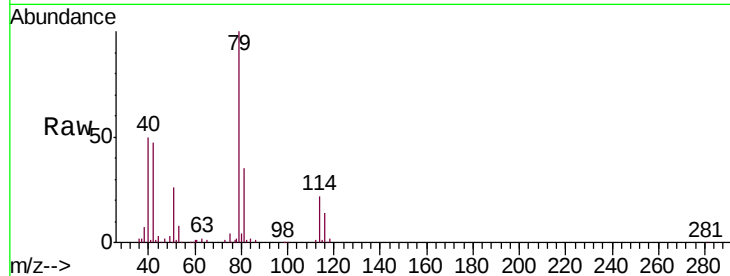
C09E5

Tgt Ion: 75 Resp: 3519

Ion Ratio Lower Upper

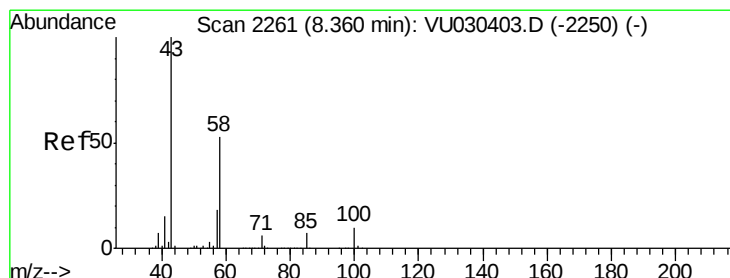
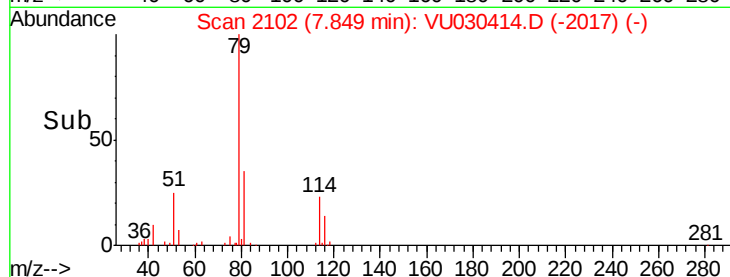
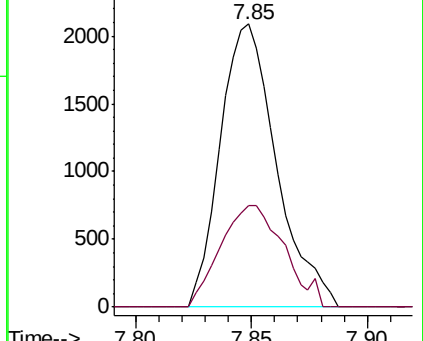
75 100

77 35.7 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU030414.D (-2102) (-)

Ion 77.00 (76.70 to 77.70): VU030414.D (-2102) (-)



#48

2-Hexanone

Concen: 4.051 ug/L

RT: 8.31 min Scan# 2245

Delta R.T. -0.05 min

Lab File: VU030414.D

Acq: 25 Mar 2019 19:53

Tgt Ion: 43 Resp: 23655

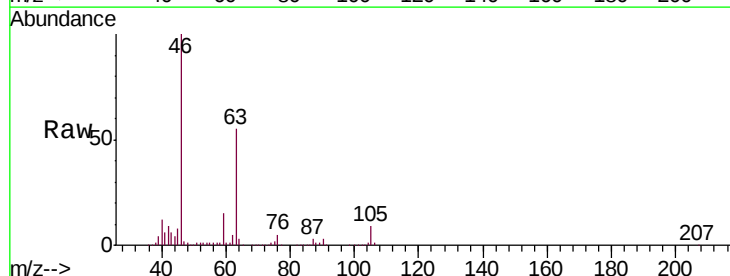
Ion Ratio Lower Upper

43 100

58 30.2 42.5 63.7#

57 24.4 15.0 22.6#

100 0.2 7.4 11.2#

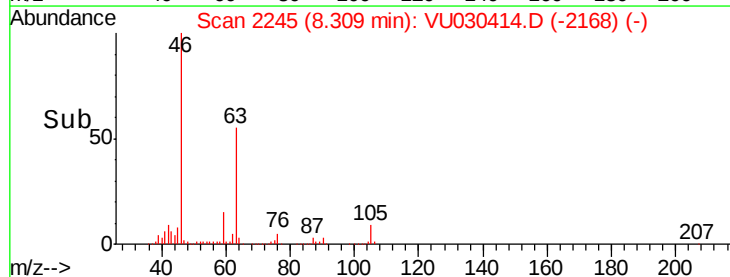
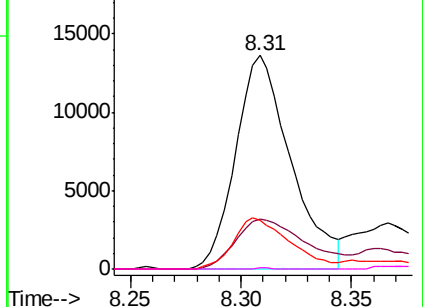


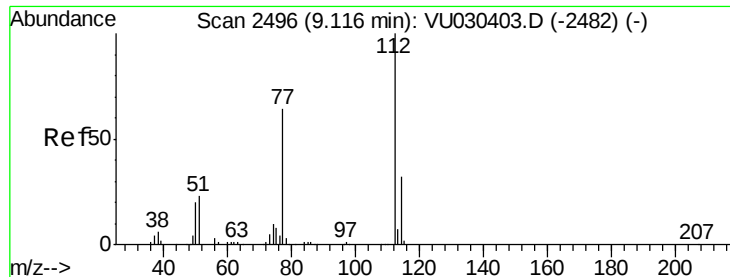
Abundance Ion 43.00 (42.70 to 43.70): VU030414.D (-2245) (-)

Ion 58.00 (57.70 to 58.70): VU030414.D (-2245) (-)

Ion 57.00 (56.70 to 57.70): VU030414.D (-2245) (-)

Ion 100.00 (99.70 to 100.70): VU030414.D (-2245) (-)





#51

Chlorobenzene

Concen: 0.962 ug/L

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU030414.D

Acq: 25 Mar 2019 19:53

Instrument :

MSVOA_U

ClientSampleId :

C09E5

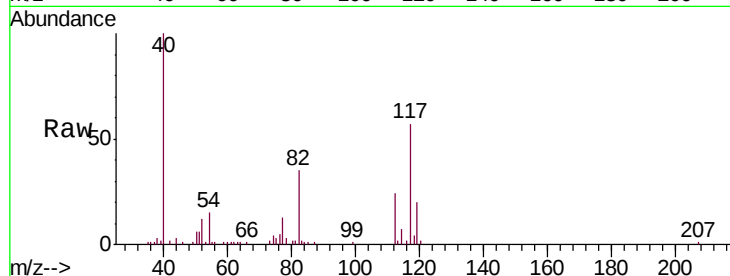
Tgt Ion: 112 Resp: 9044

Ion Ratio Lower Upper

112 100

114 31.0 21.5 39.9

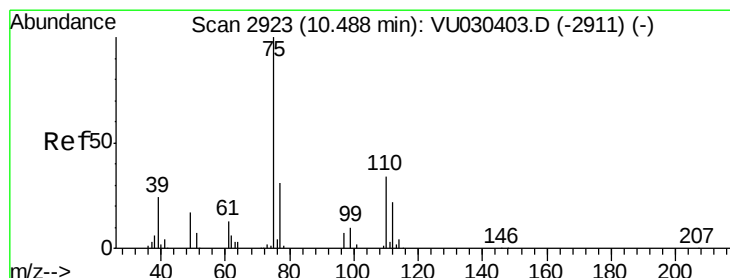
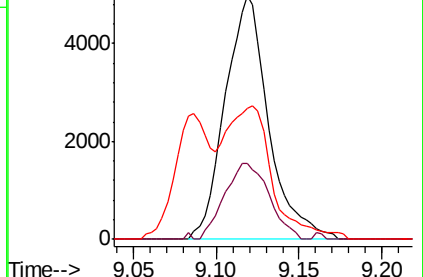
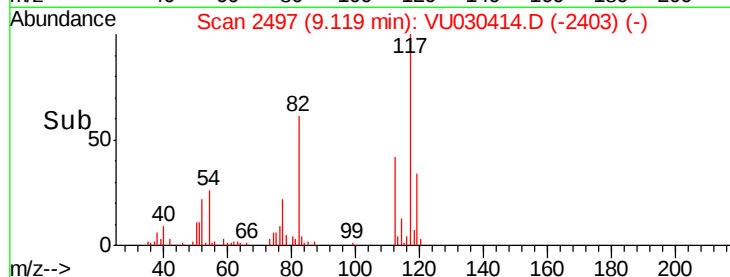
77 53.6 51.4 77.0



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: 4.909 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030414.D

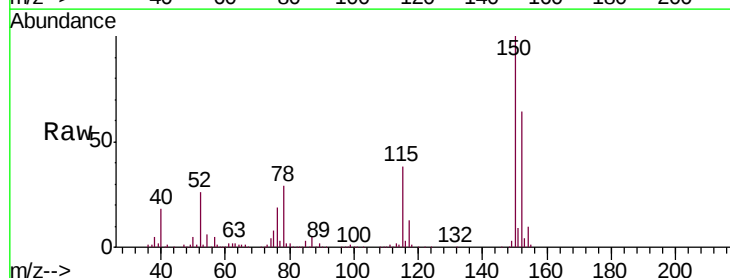
Acq: 25 Mar 2019 19:53

Tgt Ion: 75 Resp: 25348

Ion Ratio Lower Upper

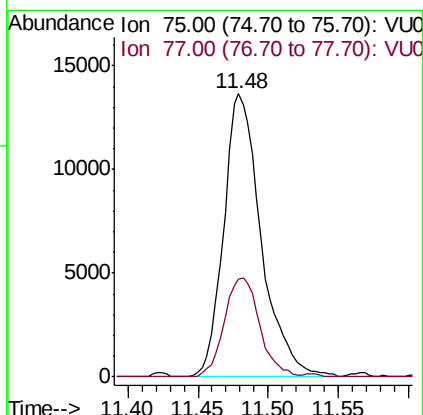
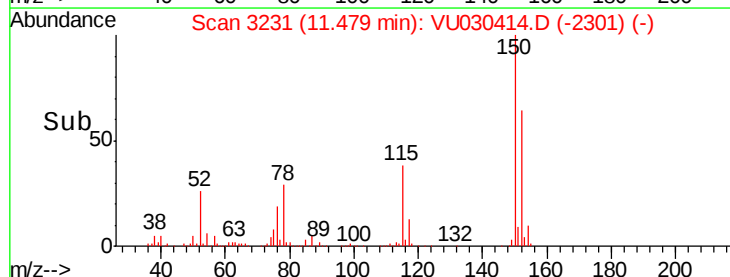
75 100

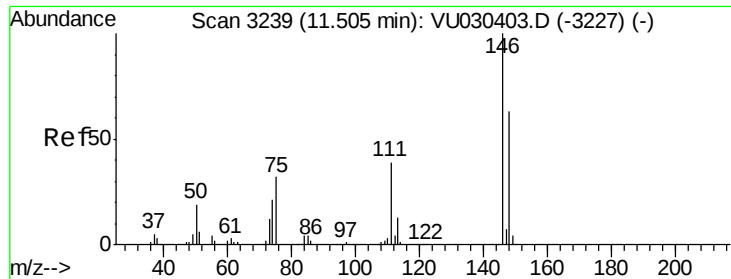
77 32.9 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

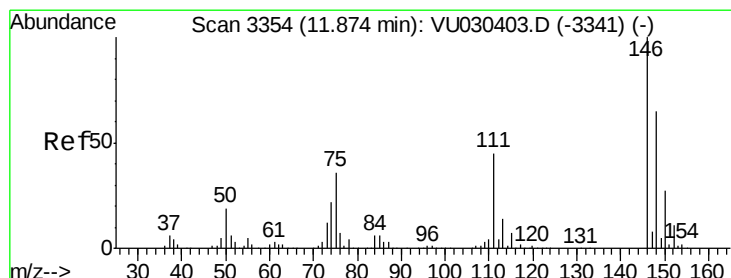
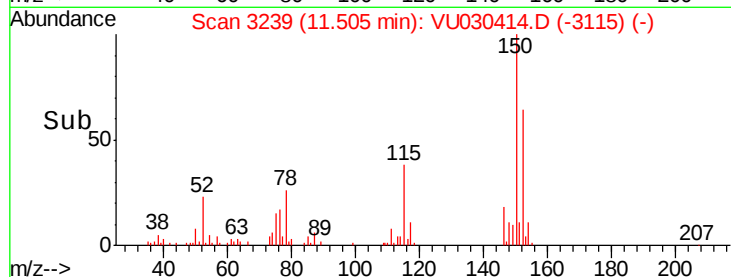
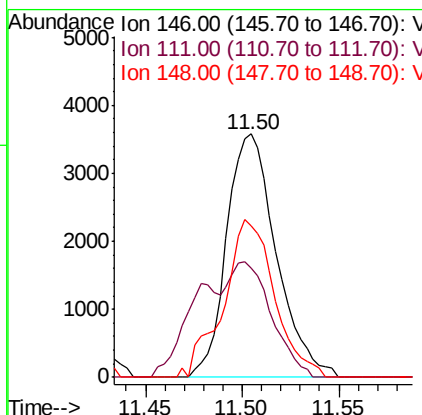
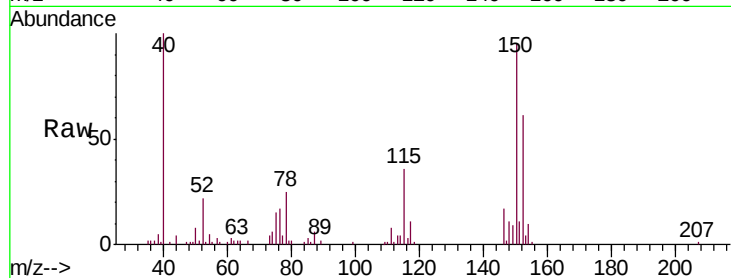




#63
 1,4-Dichlorobenzene
 Concen: 1.108 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030414.D
 Acq: 25 Mar 2019 19:53

Instrument :
 MSVOA_U
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 C09E5

Tgt Ion:146 Resp: 6376
 Ion Ratio Lower Upper
 146 100
 111 45.1 28.7 53.3
 148 62.4 44.3 82.3



#65
 1,2-Dichlorobenzene
 Concen: 1.067 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030414.D
 Acq: 25 Mar 2019 19:53

Tgt Ion:146 Resp: 6030
 Ion Ratio Lower Upper
 146 100
 111 50.0 34.9 52.3
 148 61.9 51.2 76.8

