

Data File : VU030417.D
Acq On : 25 Mar 2019 21:04
Operator : JC/SP
Sample : K2016-19RE
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09E8

Quant Time: Mar 26 01:32:13 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	459243	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	434837	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	168360	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	194009	52.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.98%
7) Chloroethane-d5	1.68	69	150369	51.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.66%
11) 1,1-Dichloroethene-d2	2.27	63	263324	37.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.12%
21) 2-Butanone-d5	4.17	46	317177	91.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.29%
24) Chloroform-d	4.65	84	301868	47.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.31	65	199697	47.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.84%
32) Benzene-d6	5.34	84	621313	49.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.64%
36) 1,2-Dichloropropane-d6	6.33	67	218530	51.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.44%
41) Toluene-d8	7.56	98	539258	48.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.30%
43) trans-1,3-Dichloropropene-	7.85	79	91541	45.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.26%
47) 2-Hexanone-d5	8.31	63	201973	87.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.36%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	281041	46.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.06%
64) 1,2-Dichlorobenzene-d4	11.86	152	170210	50.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.92%

Target Compounds

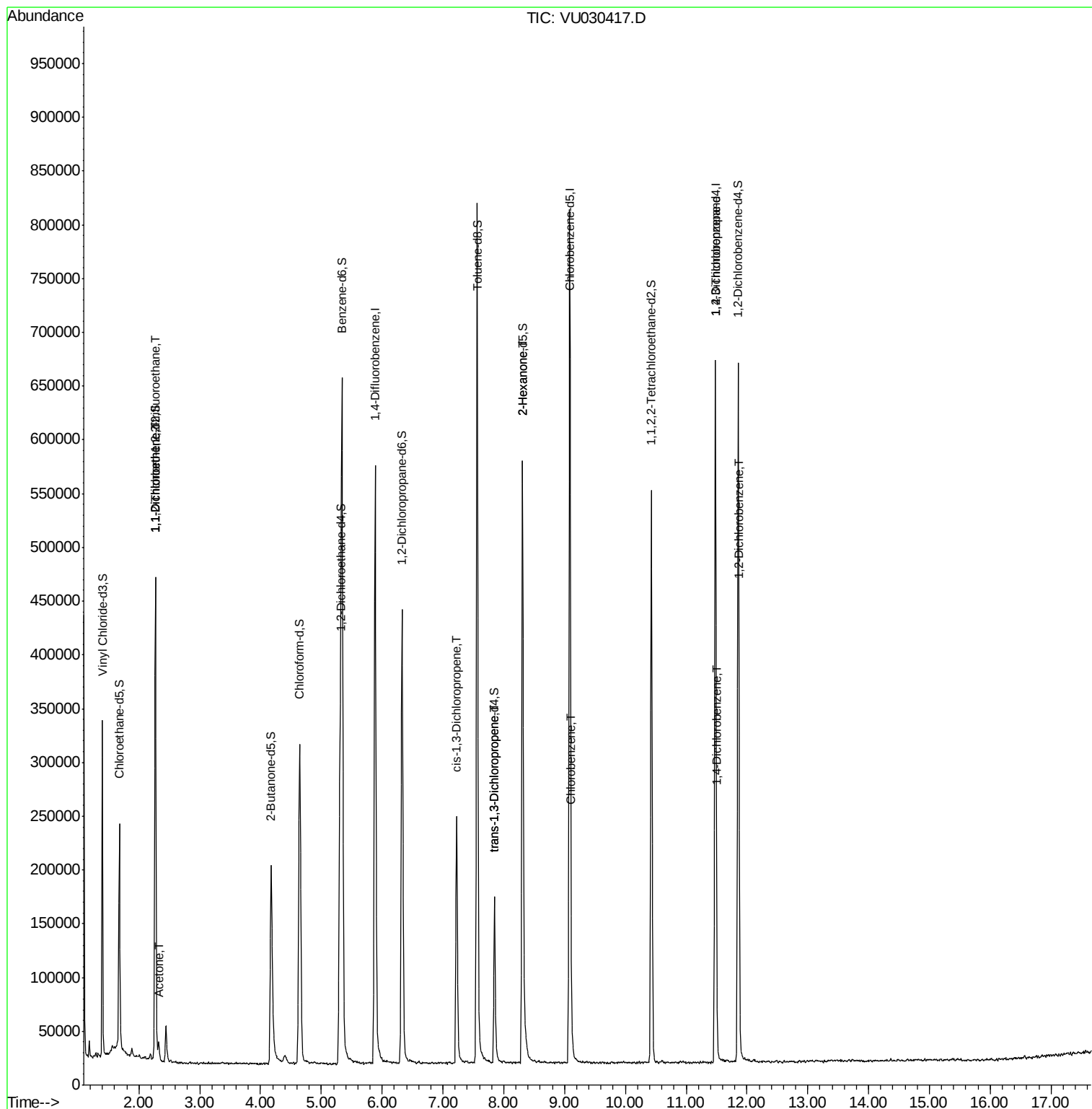
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2158	0.644 ug/L #	21
12) 1,1-Dichloroethene	2.27	96	1906	0.580 ug/L #	1
13) Acetone	2.32	43	14111	4.016 ug/L	97
39) cis-1,3-Dichloropropene	7.22	75	5279	0.874 ug/L #	68
44) trans-1,3-Dichloropropene	7.85	75	3295	0.620 ug/L	92
48) 2-Hexanone	8.31	43	23352	4.038 ug/L #	71
51) Chlorobenzene	9.12	112	6887	0.740 ug/L	93
59) 1,2,3-Trichloropropane	11.48	75	24906	4.871 ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	5257	0.927 ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	5128	0.921 ug/L	99

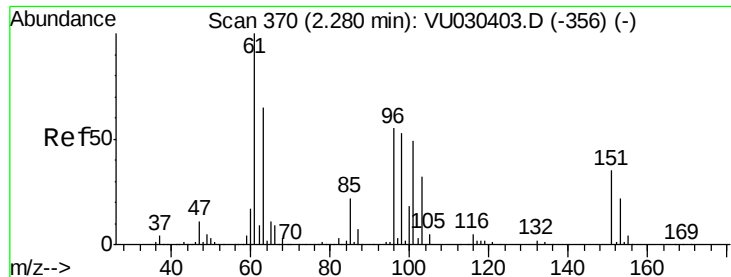
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.644 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030417.D

Acq: 25 Mar 2019 21:04

Instrument :

MSVOA_U

ClientSampleId :

C09E8

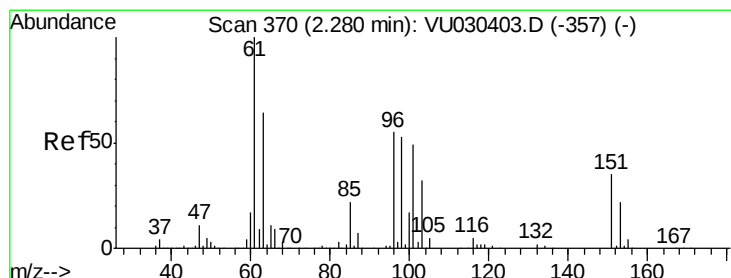
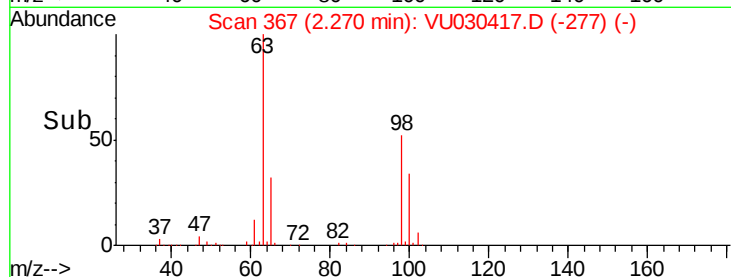
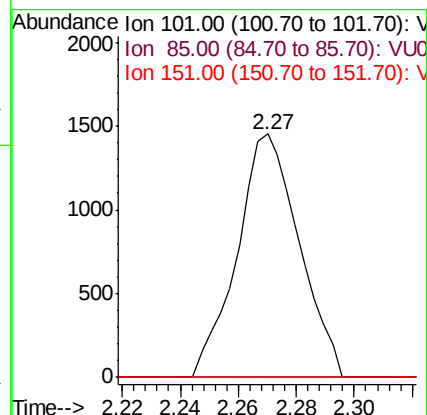
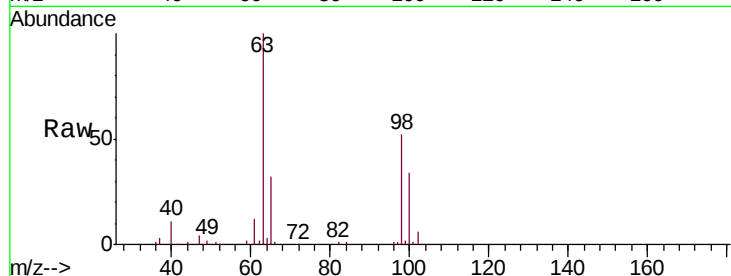
Tgt Ion: 101 Resp: 2158

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

151 0.0 56.6 85.0#



#12

1,1-Dichloroethene

Concen: 0.580 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030417.D

Acq: 25 Mar 2019 21:04

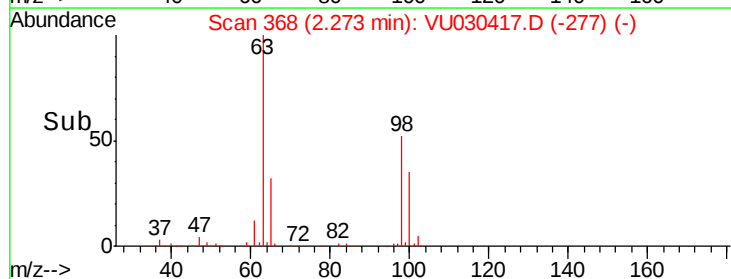
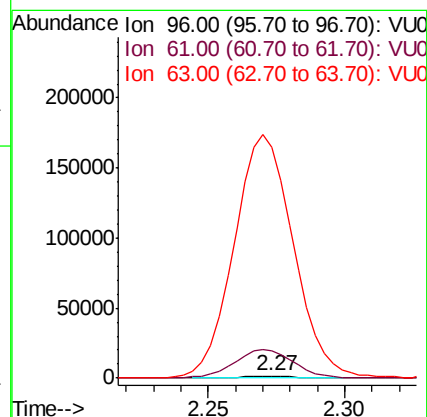
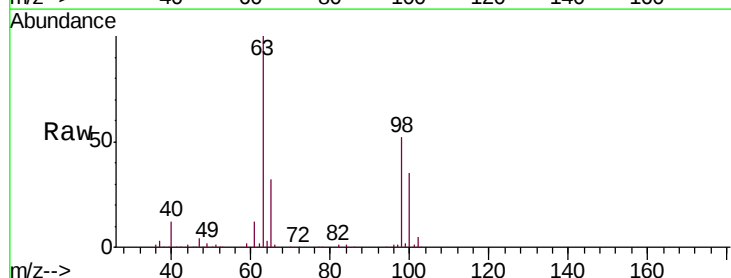
Tgt Ion: 96 Resp: 1906

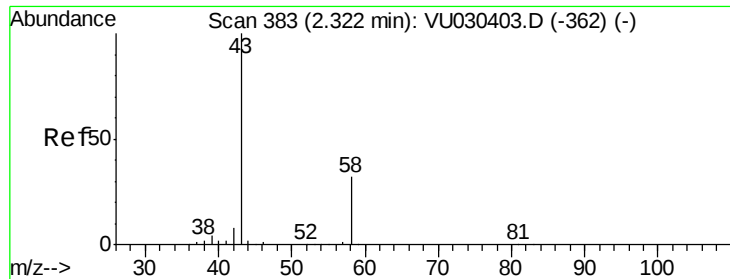
Ion Ratio Lower Upper

96 100

61 1592.0 131.0 243.4#

63 13691.5 92.4 171.6#





#13

Acetone

Concen: 4.016 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VU030417.D

Acq: 25 Mar 2019 21:04

Instrument :

MSVOA_U

ClientSampleId :

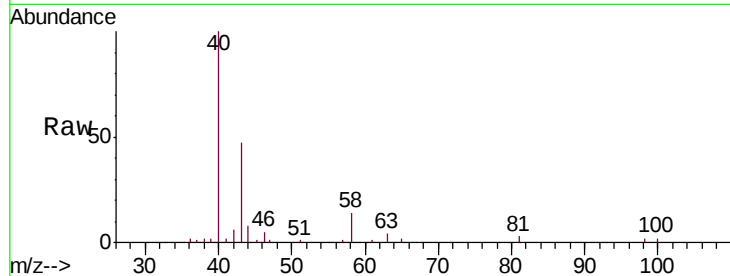
C09E8

Tgt Ion: 43 Resp: 14111

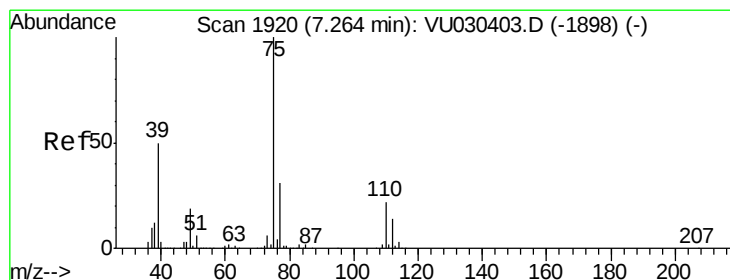
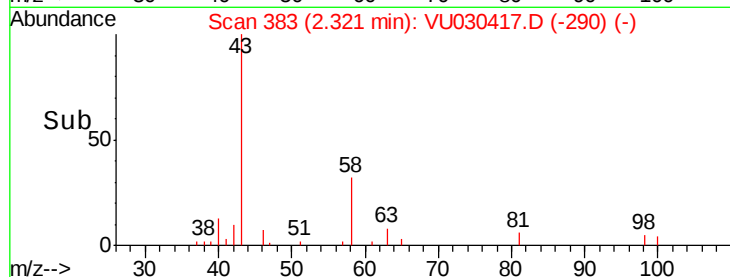
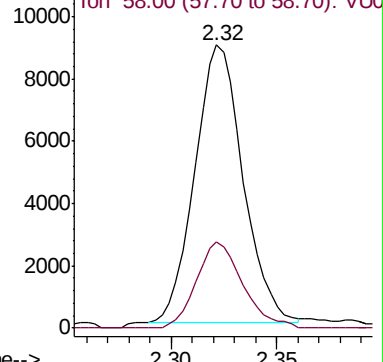
Ion Ratio Lower Upper

43 100

58 29.8 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030417.D (-290) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.874 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU030417.D

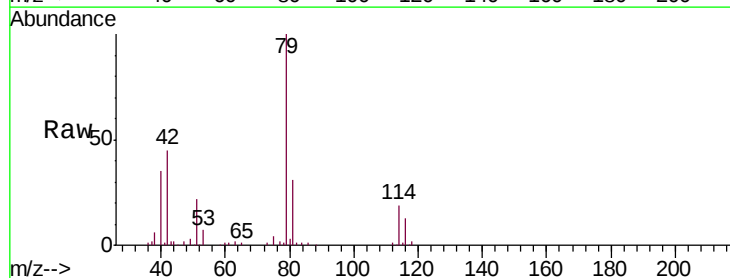
Acq: 25 Mar 2019 21:04

Tgt Ion: 75 Resp: 5279

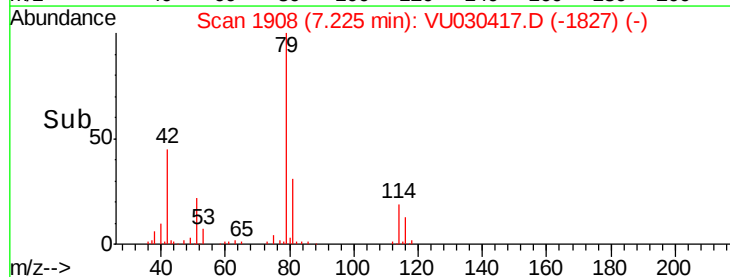
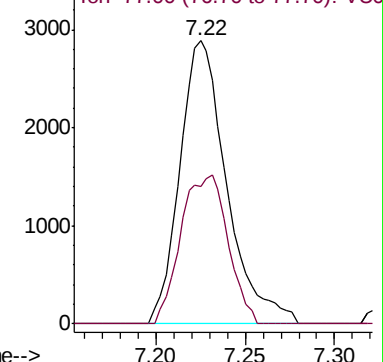
Ion Ratio Lower Upper

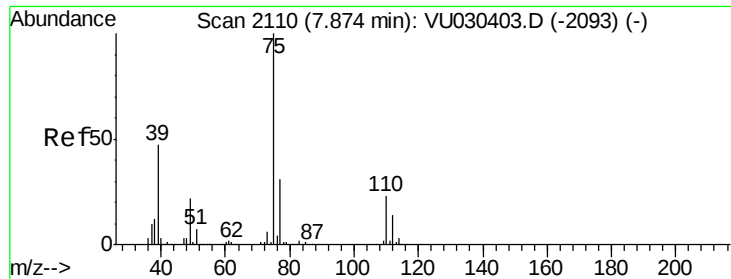
75 100

77 48.6 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU030417.D (-1827) (-)

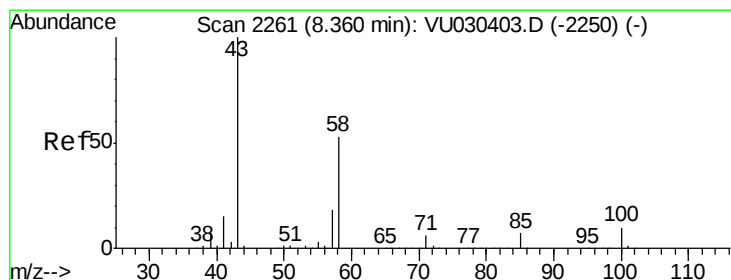
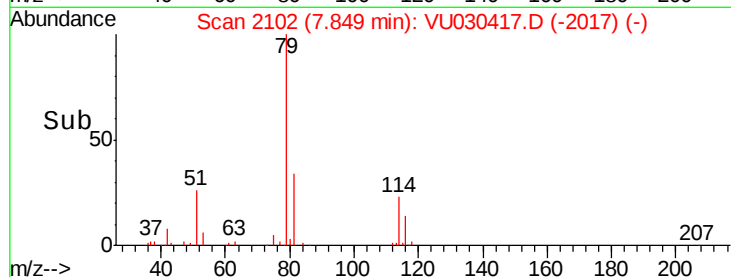
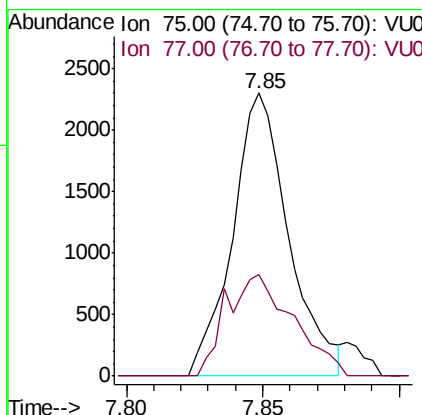
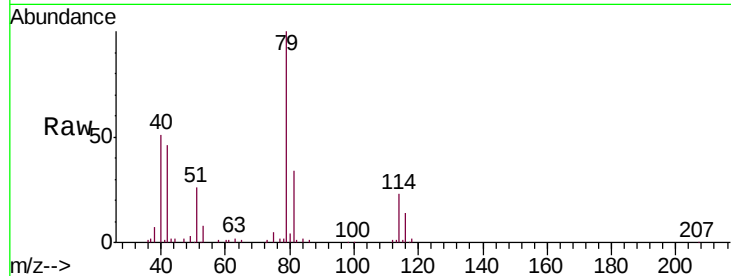




#44
trans-1,3-Dichloropropene
Concen: 0.620 ug/L
RT: 7.85 min Scan# 2102
Delta R.T. -0.03 min
Lab File: VU030417.D
Acq: 25 Mar 2019 21:04

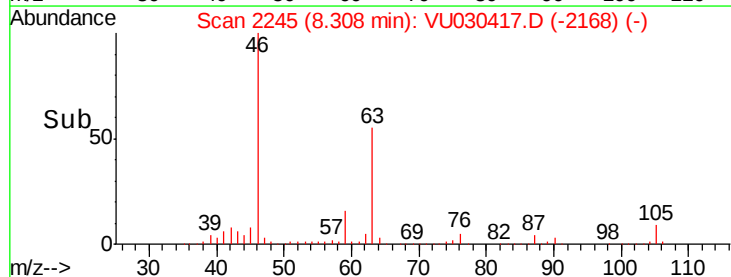
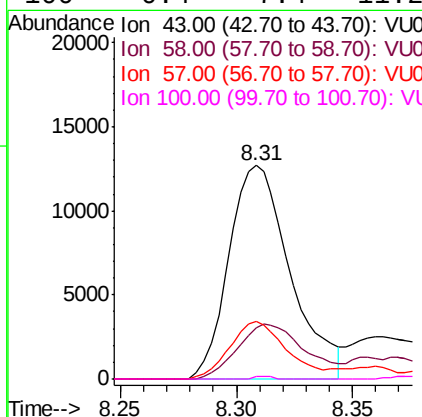
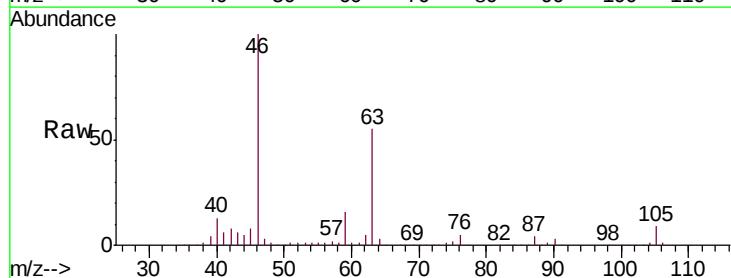
Instrument :
MSVOA_U
ClientSampled :
C09E8

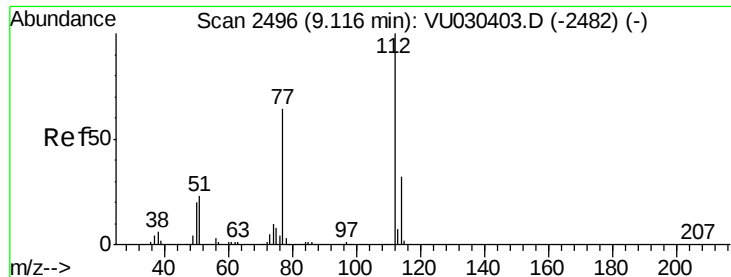
Tgt Ion: 75 Resp: 3295
Ion Ratio Lower Upper
75 100
77 36.0 22.0 40.8



#48
2-Hexanone
Concen: 4.038 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. -0.05 min
Lab File: VU030417.D
Acq: 25 Mar 2019 21:04

Tgt Ion: 43 Resp: 23352
Ion Ratio Lower Upper
43 100
58 28.3 42.5 63.7#
57 24.8 15.0 22.6#
100 0.4 7.4 11.2#





#51

Chlorobenzene

Concen: 0.740 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU030417.D

Acq: 25 Mar 2019 21:04

Instrument :

MSVOA_U

ClientSampleId :

C09E8

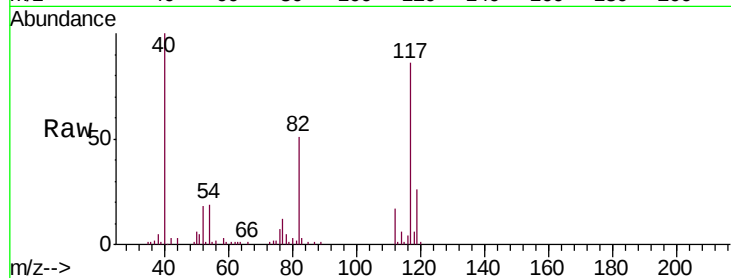
Tgt Ion: 112 Resp: 6887

Ion Ratio Lower Upper

112 100

114 36.3 21.5 39.9

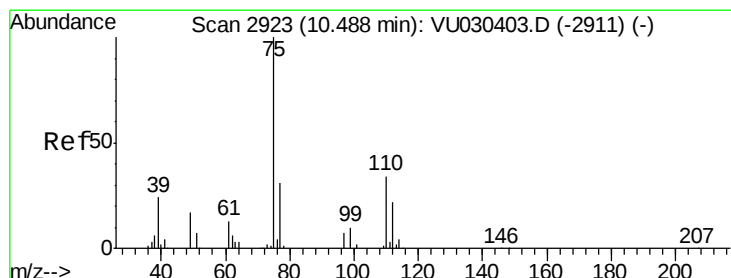
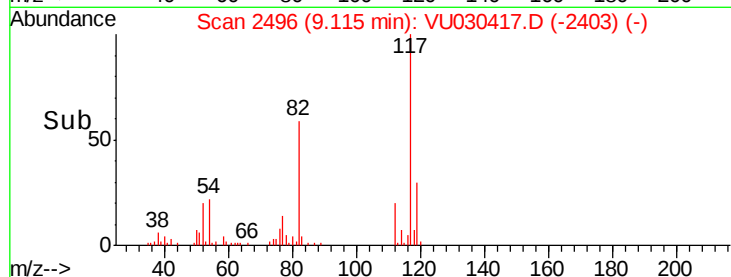
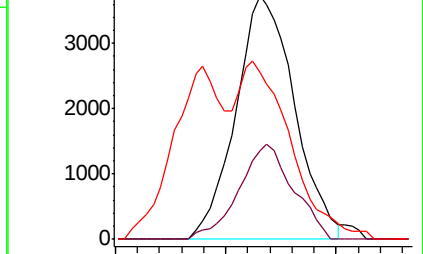
77 68.3 51.4 77.0



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): V



#59

1,2,3-Trichloropropane

Concen: 4.871 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU030417.D

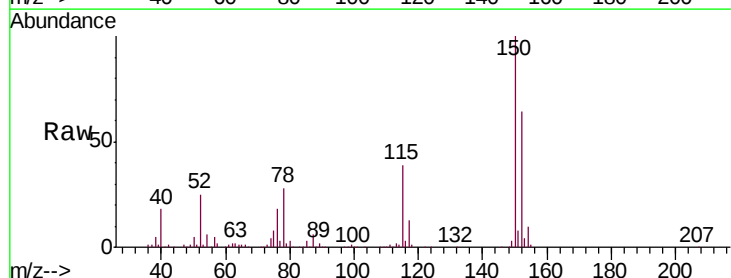
Acq: 25 Mar 2019 21:04

Tgt Ion: 75 Resp: 24906

Ion Ratio Lower Upper

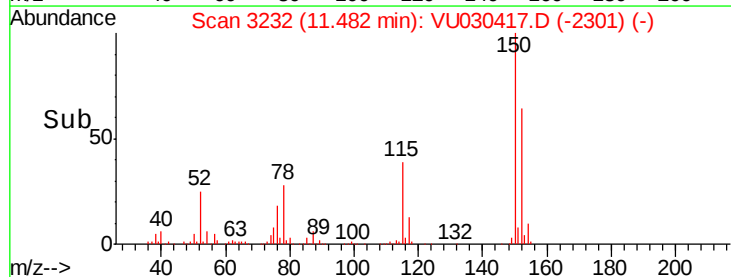
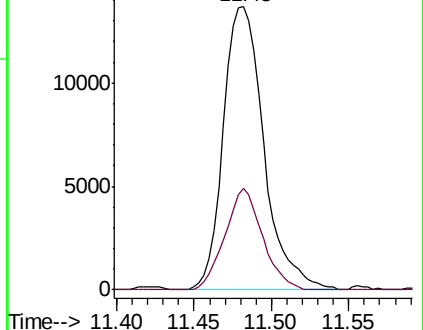
75 100

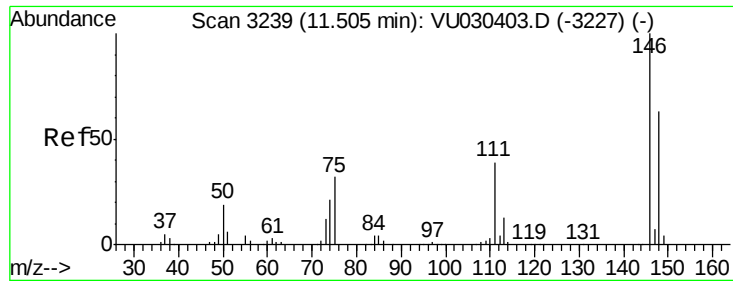
77 33.1 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V





#63

1,4-Dichlorobenzene

Concen: 0.927 ug/L

RT: 11.51 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU030417.D

Acq: 25 Mar 2019 21:04

Instrument :

MSVOA_U

ClientSampleId :

C09E8

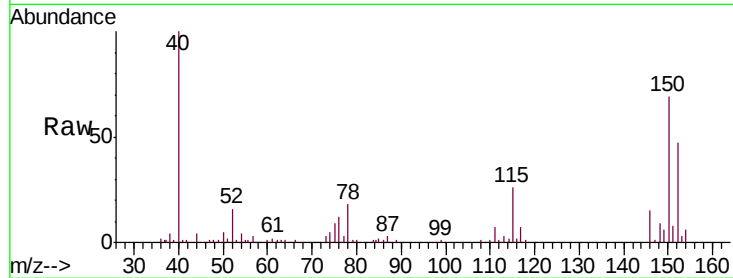
Tgt Ion:146 Resp: 5257

Ion Ratio Lower Upper

146 100

111 44.0 28.7 53.3

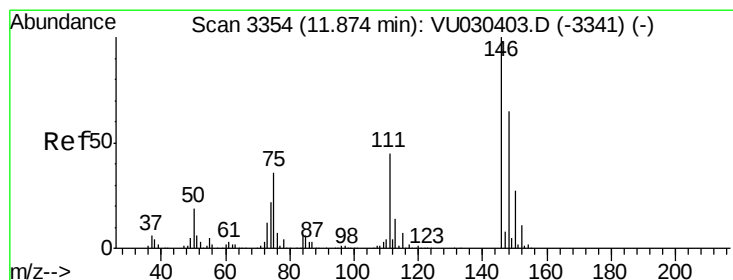
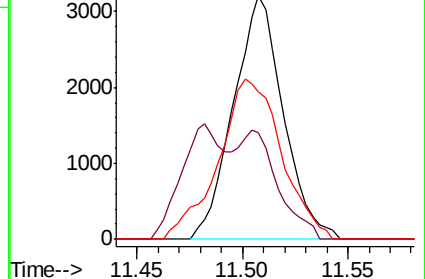
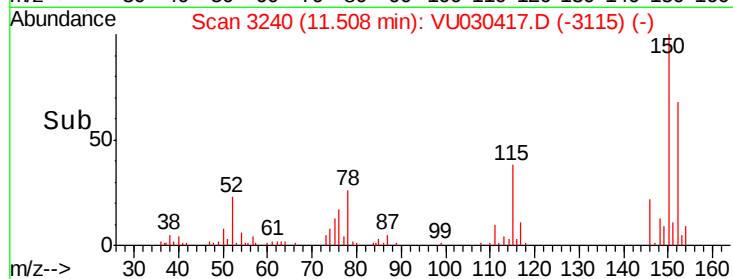
148 60.7 44.3 82.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 0.921 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030417.D

Acq: 25 Mar 2019 21:04

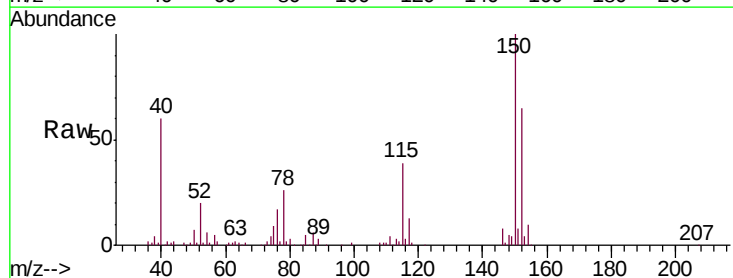
Tgt Ion:146 Resp: 5128

Ion Ratio Lower Upper

146 100

111 43.4 34.9 52.3

148 62.9 51.2 76.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

