

Data File : VU030243.D
Acq On : 20 Mar 2019 23:12
Operator : JC/SP
Sample : K2022-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09D2

Quant Time: Mar 22 01:34:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 01:27:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	544735	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	521933	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	248817	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	150769	40.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.86%
7) Chloroethane-d5	1.68	69	128271	43.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.10%
11) 1,1-Dichloroethene-d2	2.27	63	211630	31.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.98%
21) 2-Butanone-d5	4.17	46	271663	99.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.42%
24) Chloroform-d	4.65	84	307162	45.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.88%
26) 1,2-Dichloroethane-d4	5.31	65	180820	46.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.80%
32) Benzene-d6	5.34	84	643331	46.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.56%
36) 1,2-Dichloropropane-d6	6.33	67	206817	48.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.20%
41) Toluene-d8	7.56	98	583962	45.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.32%
43) trans-1,3-Dichloropropene-	7.85	79	92915	44.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.68%
47) 2-Hexanone-d5	8.31	63	214820	97.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.34%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	308773	47.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	242199	48.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.96%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2434	0.665 ug/L #	18
13) Acetone	2.32	43	8557	2.997 ug/L	100
25) Chloroform	4.67	83	4902	0.714 ug/L #	73
33) Benzene	5.39	78	8496	0.564 ug/L	100
39) cis-1,3-Dichloropropene	7.22	75	4891	0.790 ug/L #	66
44) trans-1,3-Dichloropropene	7.85	75	3848	0.719 ug/L	93
48) 2-Hexanone	8.31	43	21054	4.786 ug/L #	66
51) Chlorobenzene	9.12	112	117256	10.813 ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	8467	1.624 ug/L #	43
62) 1,3-Dichlorobenzene	11.42	146	34193	4.307 ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	234240	28.447 ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	506251	62.418 ug/L	99
67) 1,3,5-Trichlorobenzene	13.50	180	315562	50.863 ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	315562	57.517 ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	54384	9.500 ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032019\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
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Response via : Initial Calibration

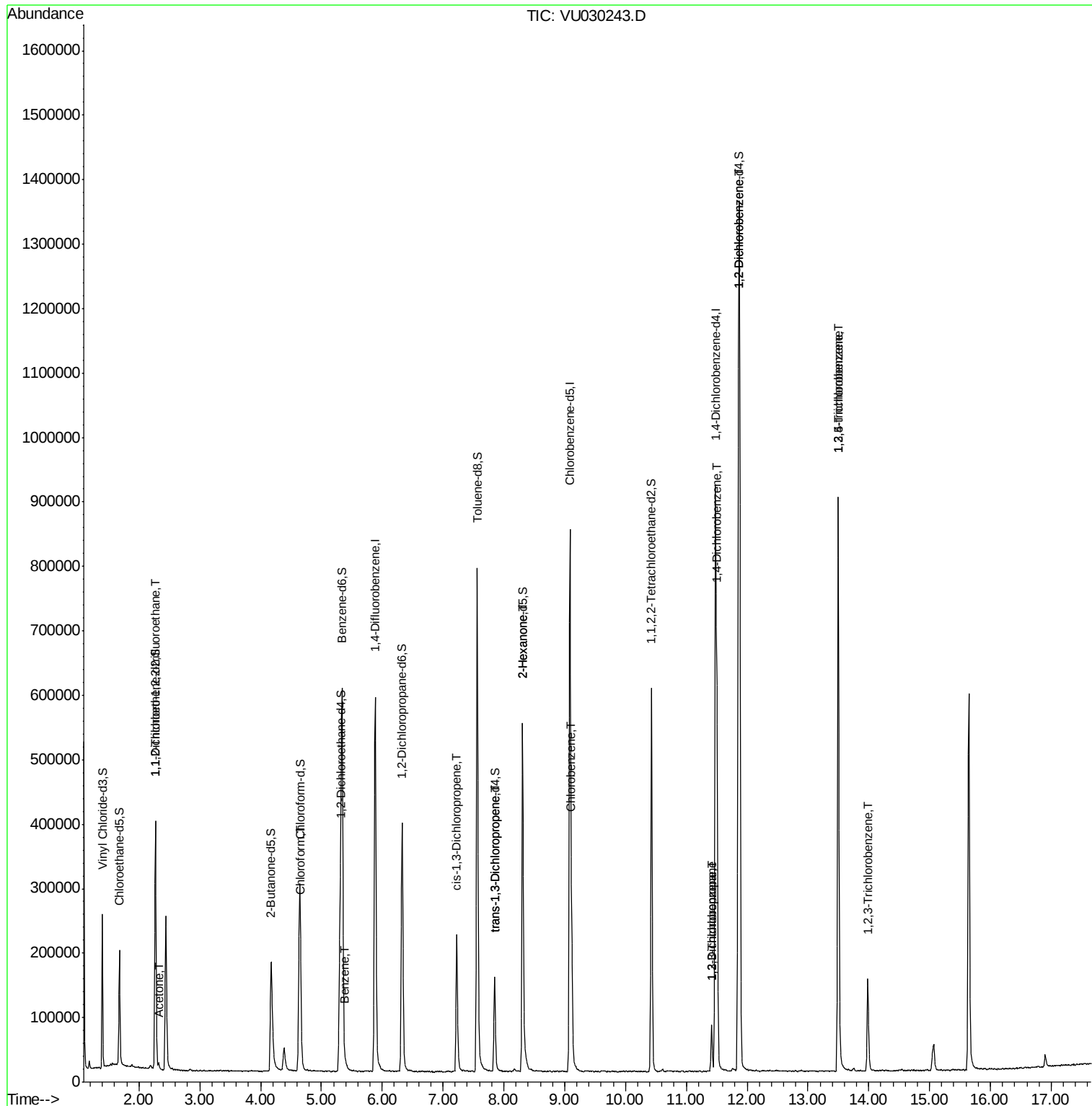
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

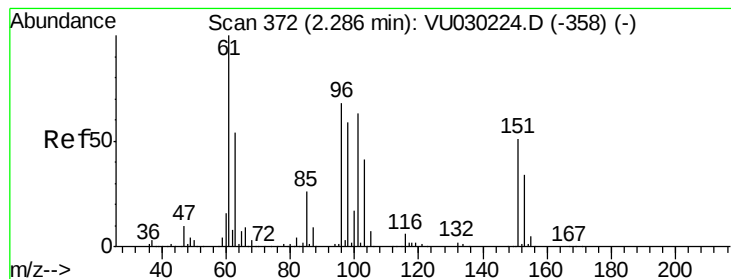
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#10

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

Concen: 0.665 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU030243.D

Acq: 20 Mar 2019 23:12

Instrument :

MSVOA_U

ClientSampleId :

C09D2

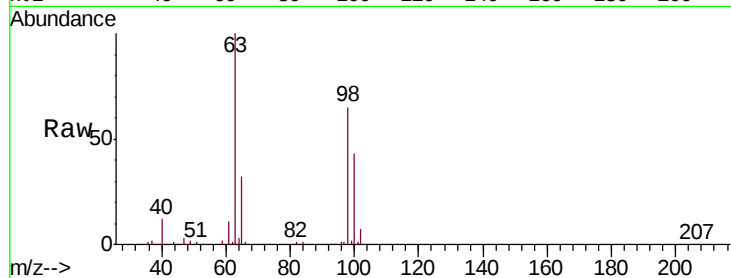
Tgt Ion:101 Resp: 2434

Ion Ratio Lower Upper

101 100

85 0.0 32.5 48.7#

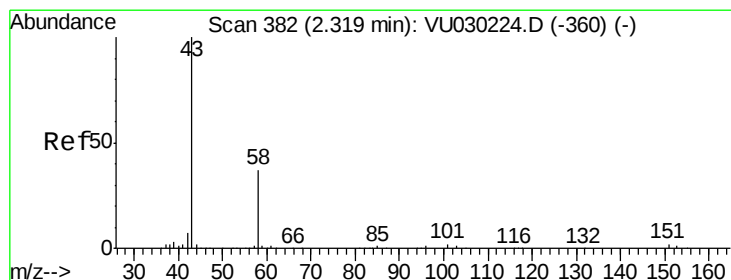
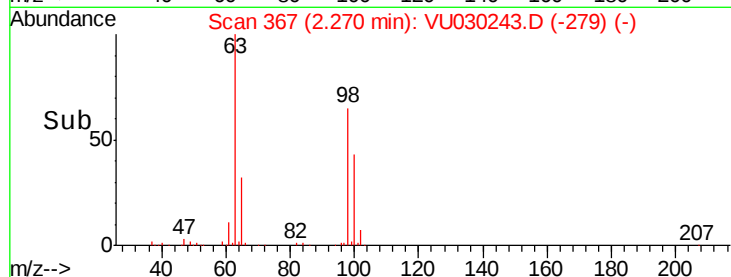
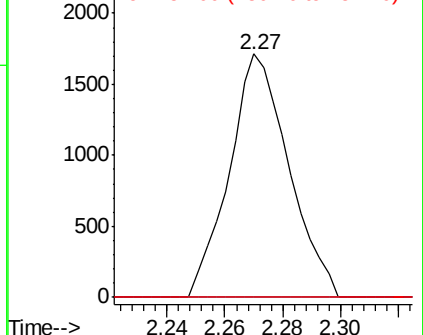
151 0.0 64.7 97.1#



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



#13

Acetone

Concen: 2.997 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030243.D

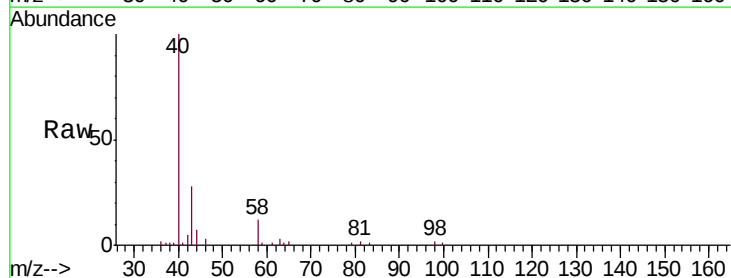
Acq: 20 Mar 2019 23:12

Tgt Ion: 43 Resp: 8557

Ion Ratio Lower Upper

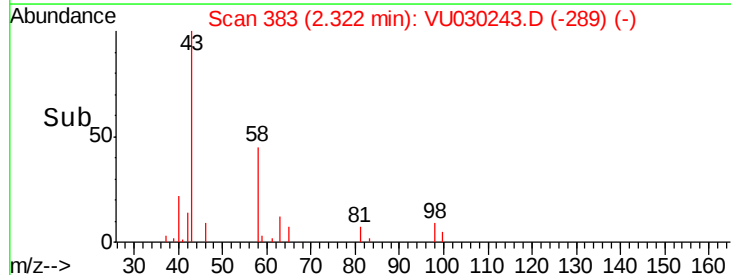
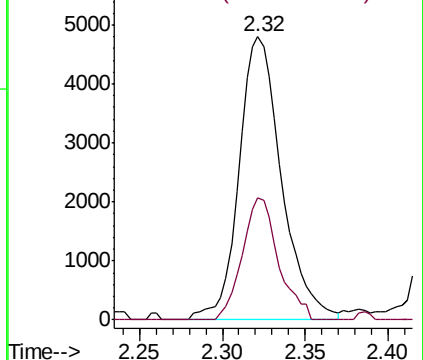
43 100

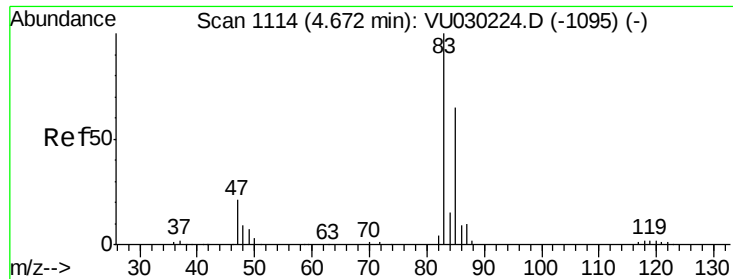
58 36.4 0.0 73.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

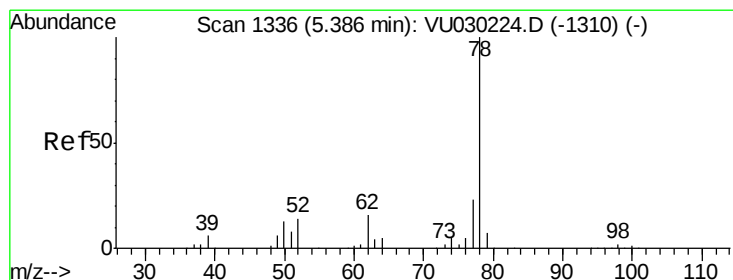
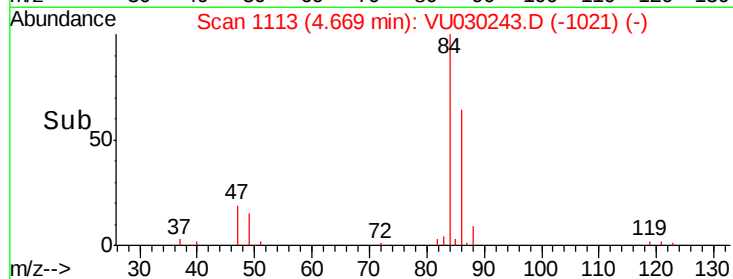
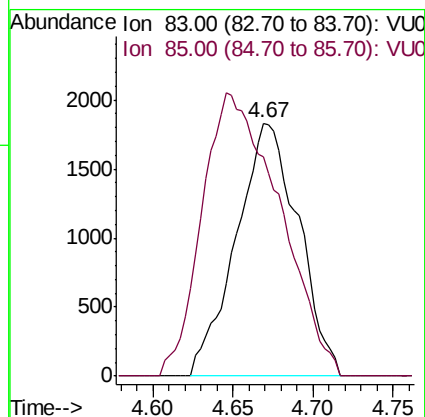
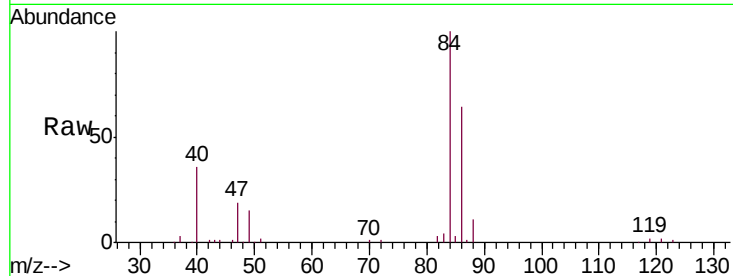




#25
Chloroform
Concen: 0.714 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU030243.D
Acq: 20 Mar 2019 23:12

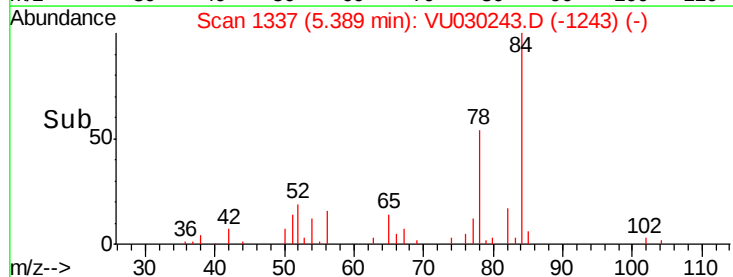
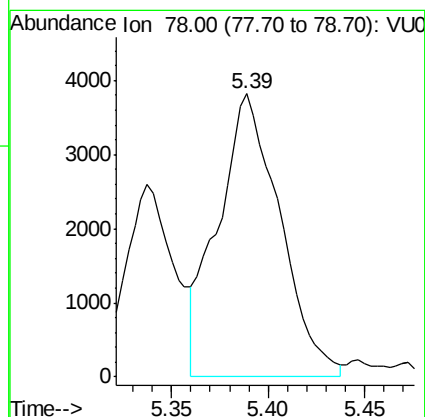
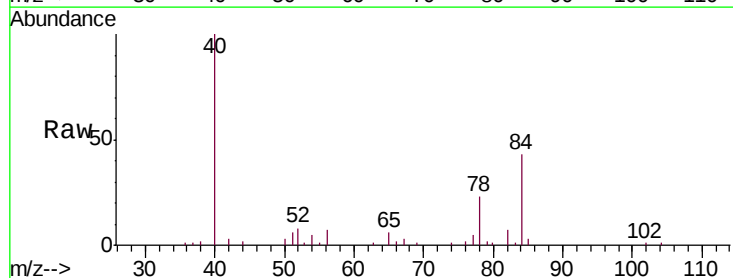
Instrument :
MSVOA_U
ClientSampleId :
C09D2

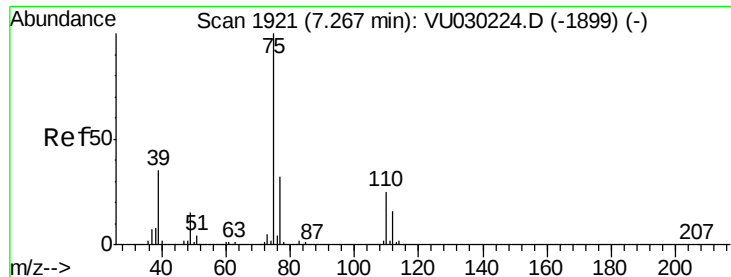
Tgt Ion: 83 Resp: 4902
Ion Ratio Lower Upper
83 100
85 86.9 45.8 85.2#



#33
Benzene
Concen: 0.564 ug/L
RT: 5.39 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU030243.D
Acq: 20 Mar 2019 23:12

Tgt Ion: 78 Resp: 8496





#39

cis-1,3-Dichloropropene

Concen: 0.790 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU030243.D

Acq: 20 Mar 2019 23:12

Instrument :

MSVOA_U

ClientSampleId :

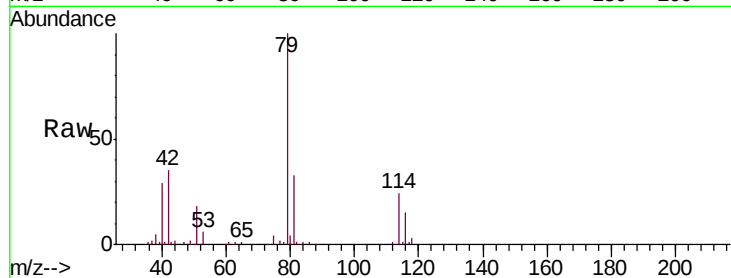
C09D2

Tgt Ion: 75 Resp: 4891

Ion Ratio Lower Upper

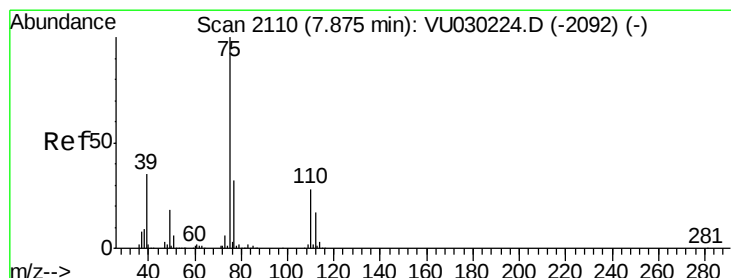
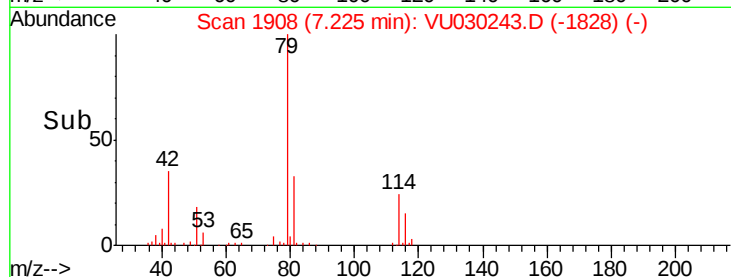
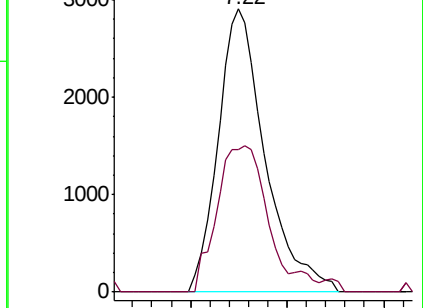
75 100

77 50.4 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU030224.D (-1899) (-)

Ion 77.00 (76.70 to 77.70): VU030224.D (-1899) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.719 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU030243.D

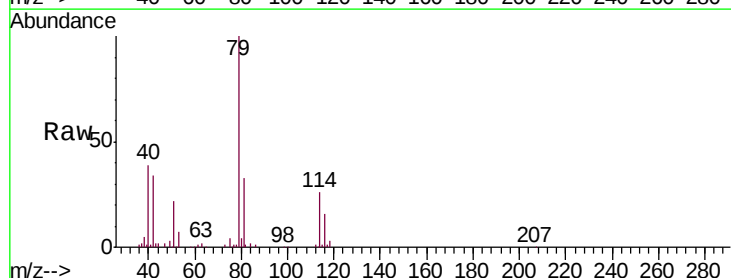
Acq: 20 Mar 2019 23:12

Tgt Ion: 75 Resp: 3848

Ion Ratio Lower Upper

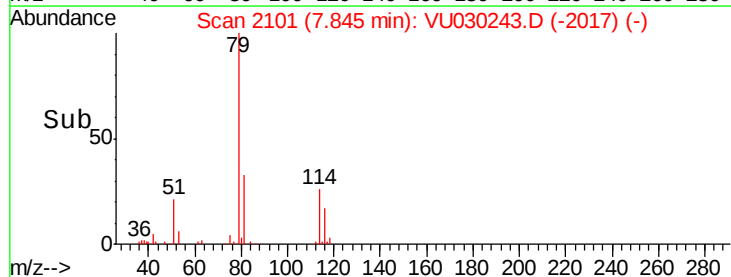
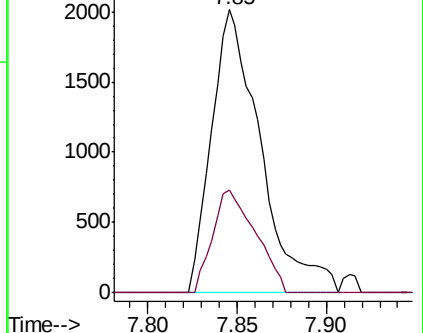
75 100

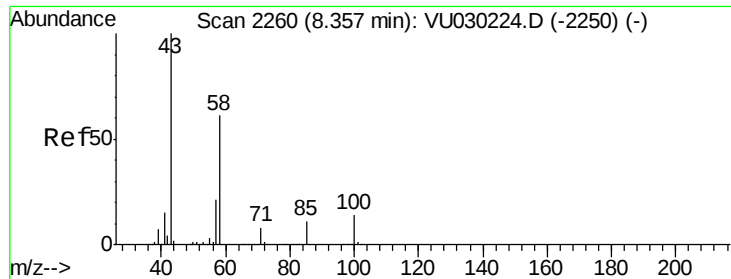
77 36.2 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU030224.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU030224.D (-2092) (-)

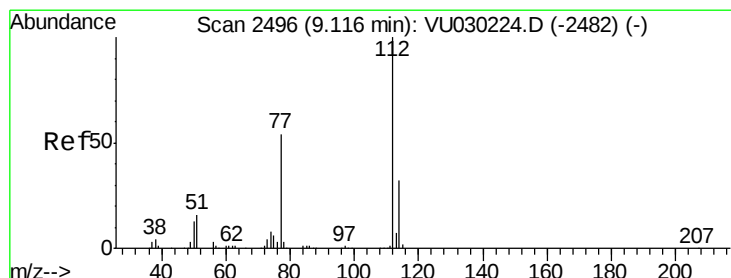
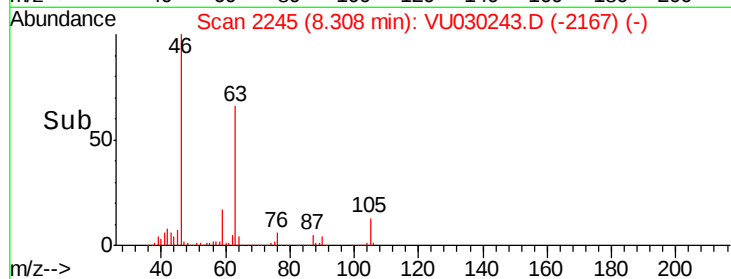
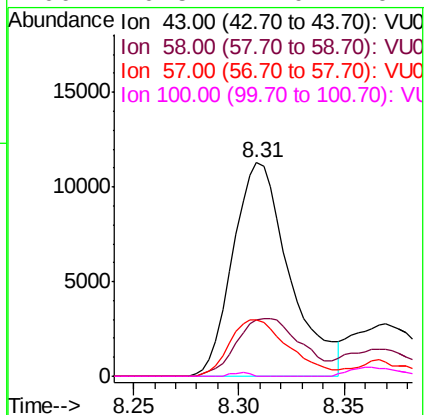
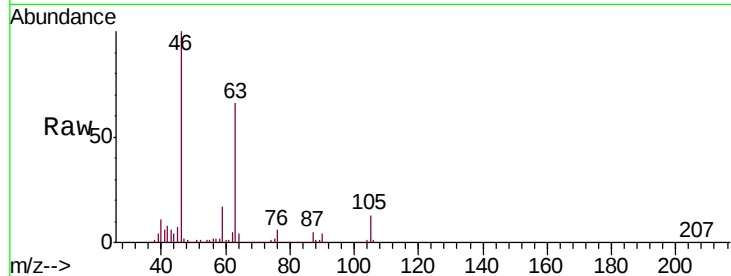




#48
2-Hexanone
Concen: 4.786 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. -0.05 min
Lab File: VU030243.D
Acq: 20 Mar 2019 23:12

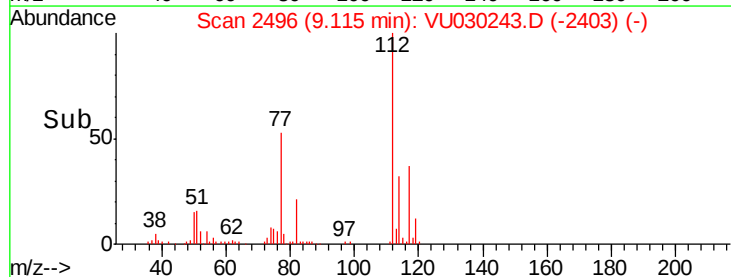
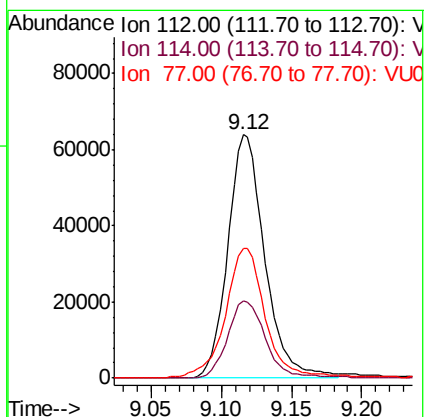
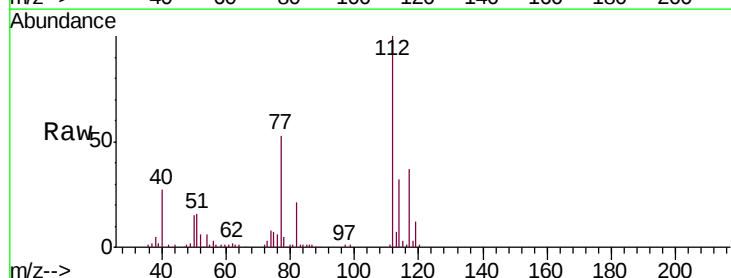
Instrument :
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ClientSampleId :
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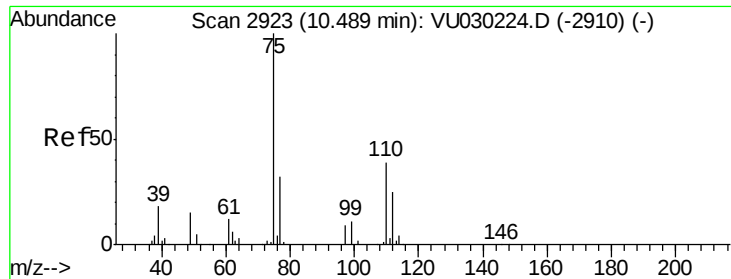
Tgt Ion:	43	Resp:	21054
Ion	Ratio	Lower	Upper
43	100		
58	30.3	49.3	73.9#
57	27.5	17.0	25.4#
100	0.5	11.0	16.4#



#51
Chlorobenzene
Concen: 10.813 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030243.D
Acq: 20 Mar 2019 23:12

Tgt Ion:	112	Resp:	117256
Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.5	41.7
77	53.2	43.4	65.0





#59

1,2,3-Trichloropropane

Concen: 1.624 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.93 min

Lab File: VU030243.D

Acq: 20 Mar 2019 23:12

Instrument :

MSVOA_U

ClientSampleId :

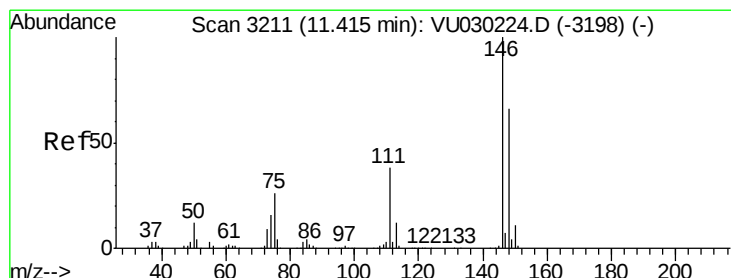
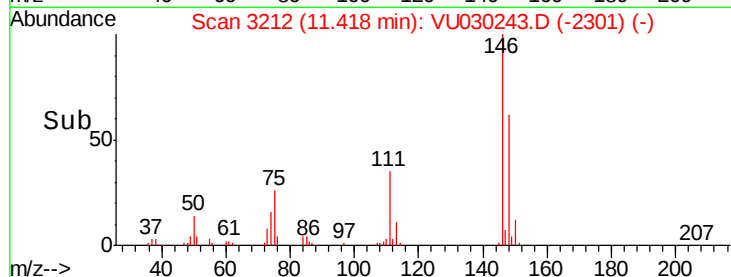
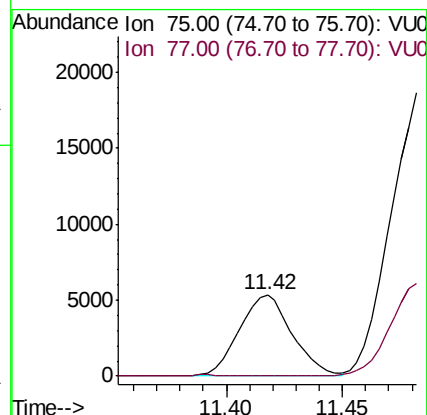
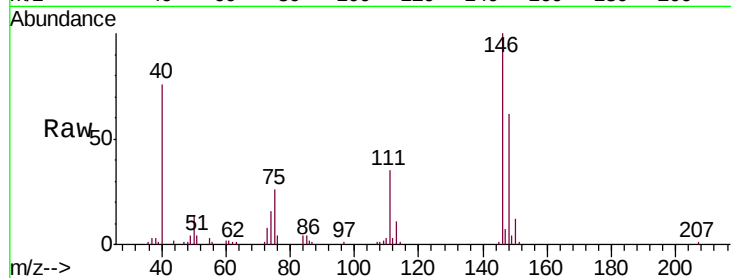
C09D2

Tgt Ion: 75 Resp: 8467

Ion Ratio Lower Upper

75 100

77 0.5 25.8 38.8#



#62

1,3-Dichlorobenzene

Concen: 4.307 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030243.D

Acq: 20 Mar 2019 23:12

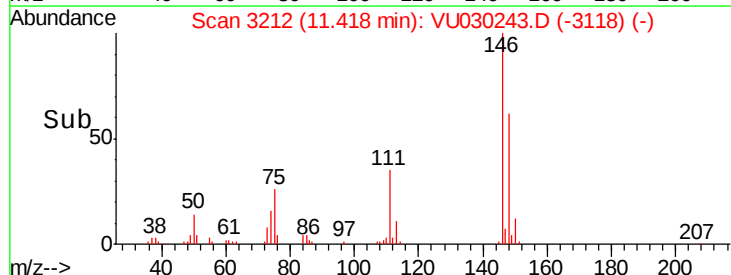
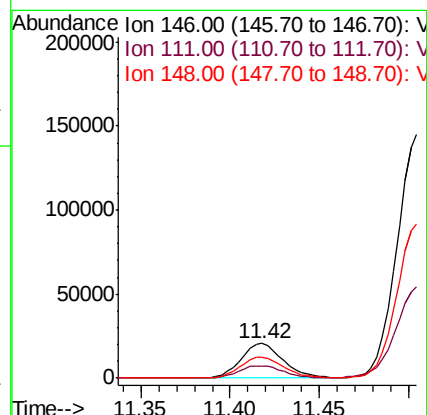
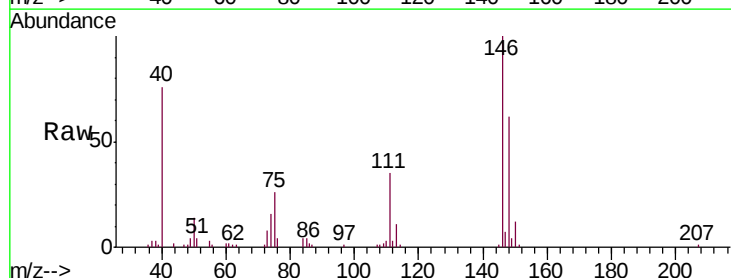
Tgt Ion: 146 Resp: 34193

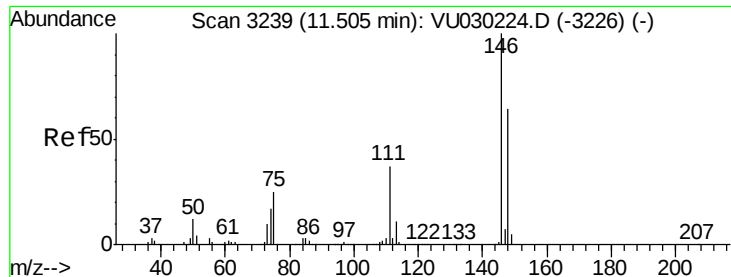
Ion Ratio Lower Upper

146 100

111 35.4 27.2 50.4

148 61.9 44.4 82.5

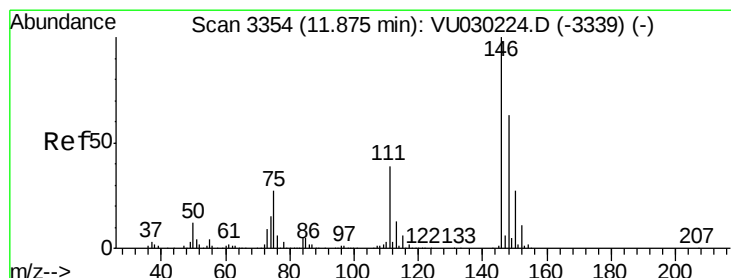
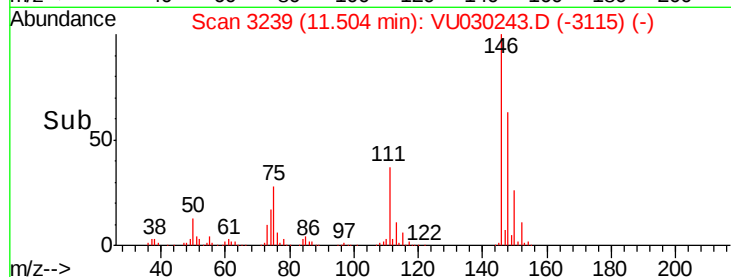
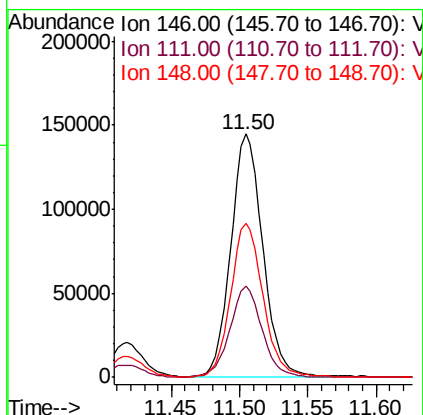
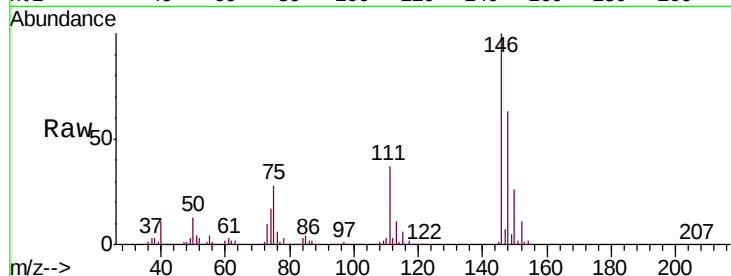




#63
1,4-Dichlorobenzene
Concen: 28.447 ug/L
RT: 11.50 min Scan# 3239
Delta R.T. -0.00 min
Lab File: VU030243.D
Acq: 20 Mar 2019 23:12

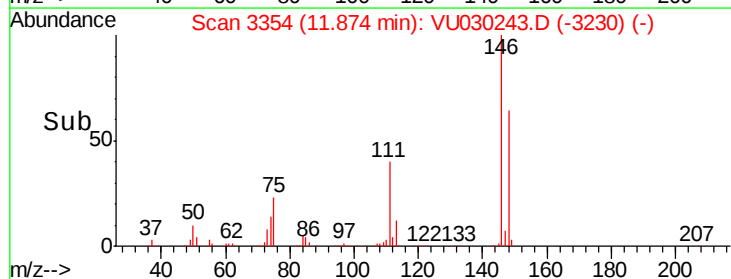
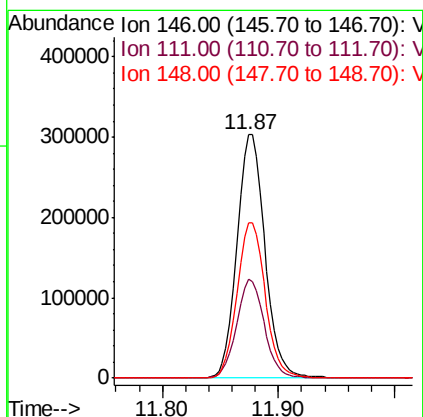
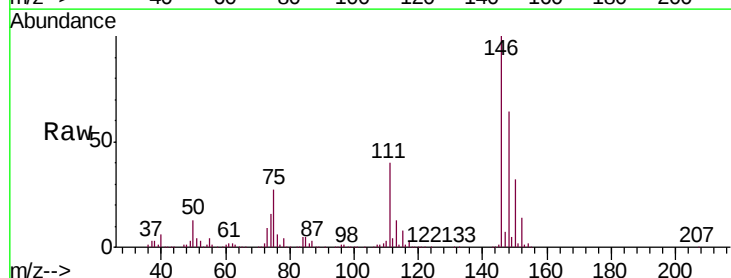
Instrument :
MSVOA_U
ClientSampleId :
C09D2

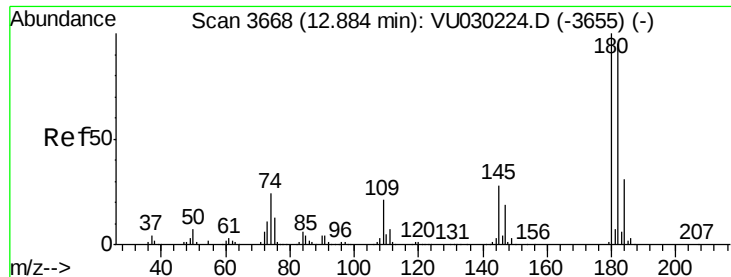
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	25.3	46.9
148	63.5	44.7	82.9



#65
1,2-Dichlorobenzene
Concen: 62.418 ug/L
RT: 11.87 min Scan# 3354
Delta R.T. -0.00 min
Lab File: VU030243.D
Acq: 20 Mar 2019 23:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	31.7	47.5
148	63.9	52.0	78.0

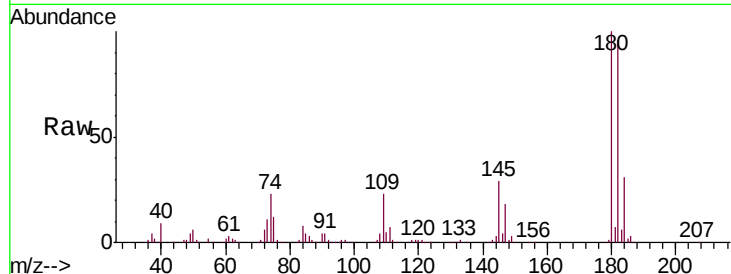




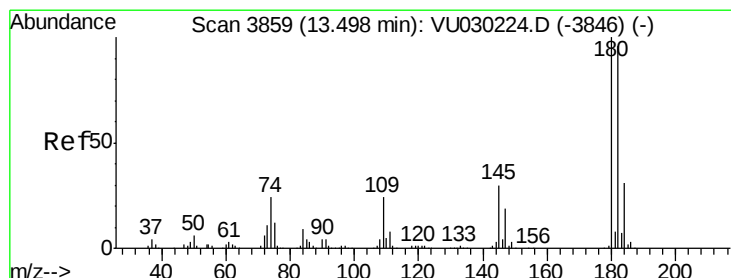
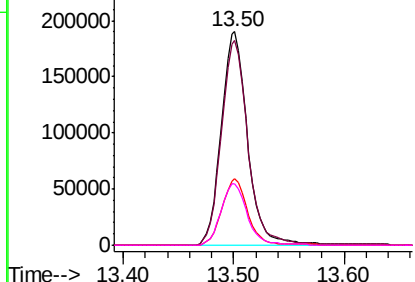
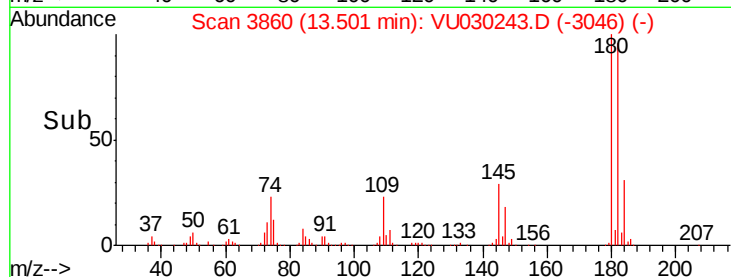
#67
 1,3,5-Trichlorobenzene
 Concen: 50.863 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.62 min
 Lab File: VU030243.D
 Acq: 20 Mar 2019 23:12

Instrument :
 MSVOA_U
 ClientSampleID :
 C09D2

Tgt Ion:180 Resp: 315562
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.0 114.0
 184 30.8 24.2 36.4
 145 29.0 22.1 33.1

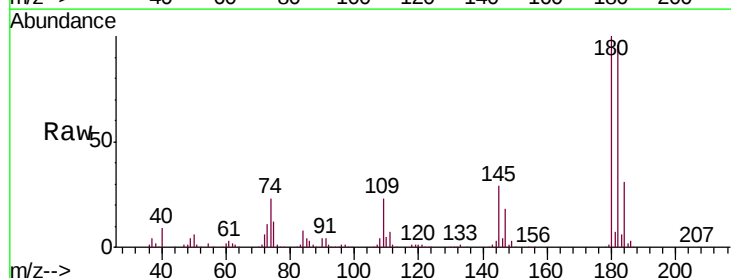


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

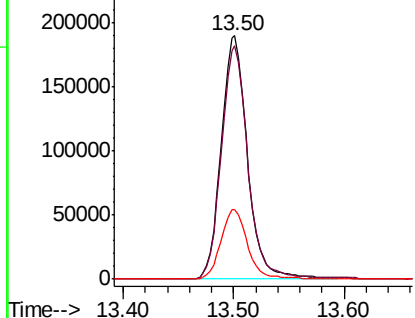
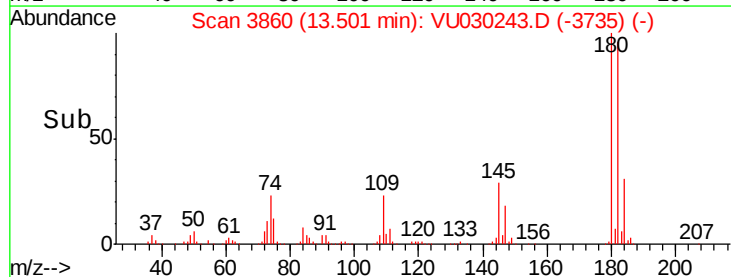


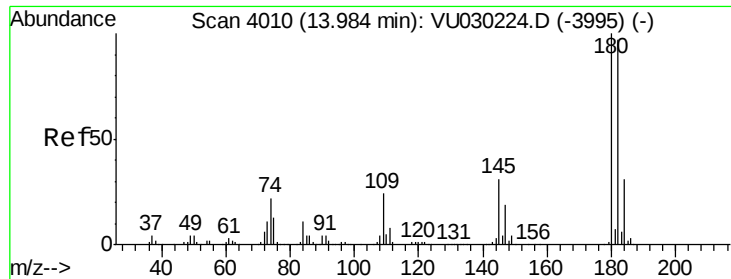
#68
 1,2,4-trichlorobenzene
 Concen: 57.517 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030243.D
 Acq: 20 Mar 2019 23:12

Tgt Ion:180 Resp: 315562
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.4 114.6
 145 29.0 22.7 34.1



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 9.500 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030243.D
 Acq: 20 Mar 2019 23:12

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D2

Tgt Ion:180 Resp: 54384
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.9 113.9
 145 30.3 24.1 36.1

