

Data File : VU030790.D
Acq On : 06 Apr 2019 10:36
Operator : JC/SP
Sample : K2269-03 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0BR5

Quant Time: Apr 08 01:09:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 08 01:03:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	481889	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	482353	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	215176	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	221459	51.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.96%
7) Chloroethane-d5	1.68	69	175301	53.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.38%
11) 1,1-Dichloroethene-d2	2.27	63	308751	39.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.36%
21) 2-Butanone-d5	4.17	46	354784	104.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.06%
24) Chloroform-d	4.64	84	310002	47.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.36%
26) 1,2-Dichloroethane-d4	5.31	65	233250	52.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.04%
32) Benzene-d6	5.34	84	688639	48.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.32	67	238609	49.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.90%
41) Toluene-d8	7.56	98	589525	47.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.46%
43) trans-1,3-Dichloropropene-	7.85	79	97416	44.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.54%
47) 2-Hexanone-d5	8.31	63	224169	101.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.64%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	314083	48.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.50%
64) 1,2-Dichlorobenzene-d4	11.85	152	216012	51.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.10%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2368	0.686	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	2748	0.825	ug/L #	1
13) Acetone	2.32	43	2639	0.756	ug/L	70
25) Chloroform	4.67	83	39055	5.324	ug/L	90
27) 1,2-Dichloroethane	5.39	62	6114	1.092	ug/L #	75
33) Benzene	5.39	78	674098	42.706	ug/L	100
44) trans-1,3-Dichloropropene	7.84	75	4005	0.714	ug/L	87
48) 2-Hexanone	8.31	43	26907	4.798	ug/L #	76
51) Chlorobenzene	9.12	112	2683140	271.513	ug/L	99
59) 1,2,3-Trichloropropane	11.41	75	36988	6.910	ug/L #	44
62) 1,3-Dichlorobenzene	11.41	146	105373	15.495	ug/L	96
63) 1,4-Dichlorobenzene	11.50	146	967590	139.876	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	1193814	175.004	ug/L	100
67) 1,3,5-Trichlorobenzene	13.50	180	123692	24.888	ug/L	96
68) 1,2,4-trichlorobenzene	13.50	180	123692	29.271	ug/L	94
70) 1,2,3-Trichlorobenzene	13.99	180	31329	7.096	ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Quantitation Report (Not Reviewed)

Data File : VU030790.D
Acq On : 06 Apr 2019 10:36
Operator : JC/SP
Sample : K2269-03 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0BR5

Quant Time: Apr 08 01:09:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 08 01:03:28 2019
Response via : Initial Calibration

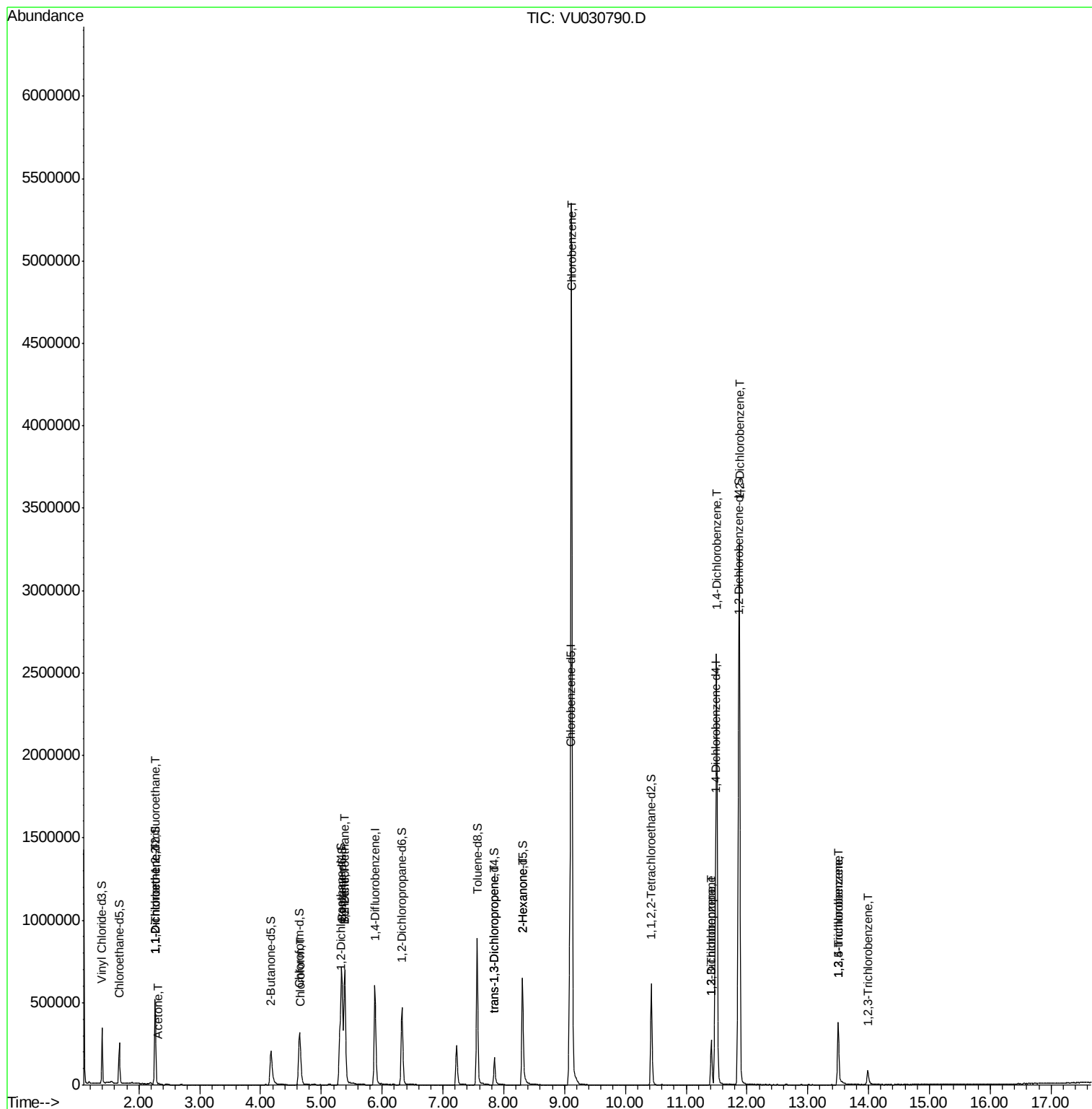
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

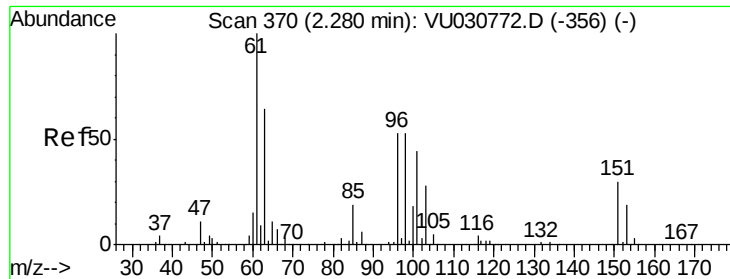
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU030790.D
Acq On : 06 Apr 2019 10:36
Operator : JC/SP
Sample : K2269-03 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0BR5

Quant Time: Apr 08 01:09:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 08 01:03:28 2019
Response via : Initial Calibration





#10

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

Concen: 0.686 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030790.D

Acq: 06 Apr 2019 10:36

Instrument :

MSVOA_U

ClientSampleId :

C0BR5

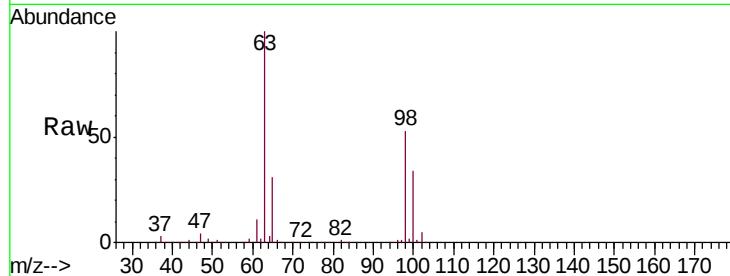
Tgt Ion: 101 Resp: 2368

Ion Ratio Lower Upper

101 100

85 1.9 36.8 55.2#

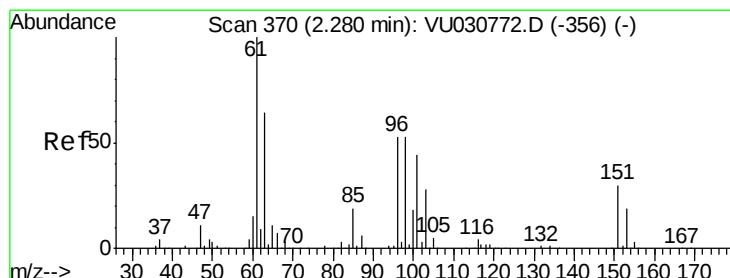
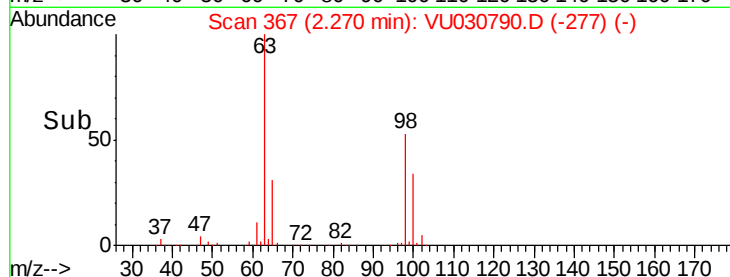
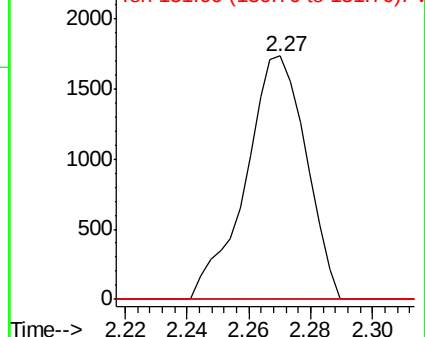
151 0.0 57.4 86.0#



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: 0.825 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030790.D

Acq: 06 Apr 2019 10:36

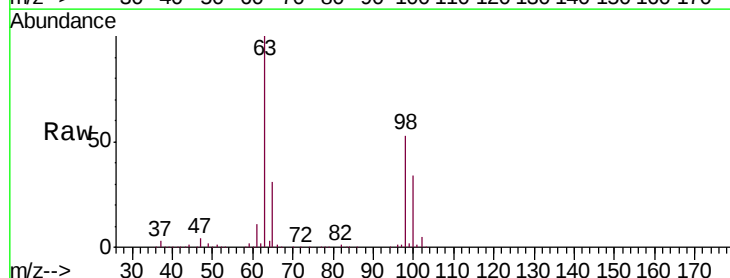
Tgt Ion: 96 Resp: 2748

Ion Ratio Lower Upper

96 100

61 1200.2 132.0 245.2#

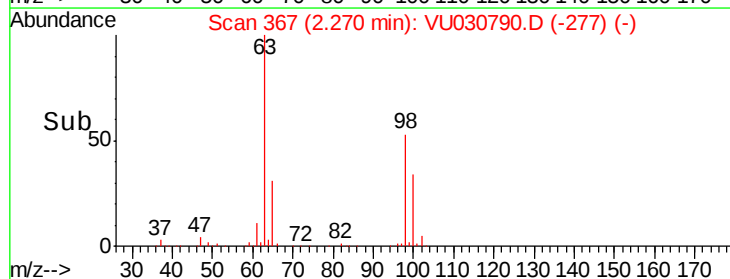
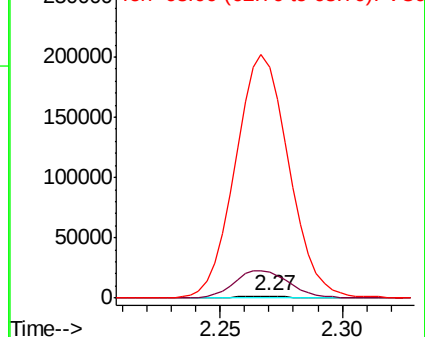
63 10731.2 90.9 168.9#

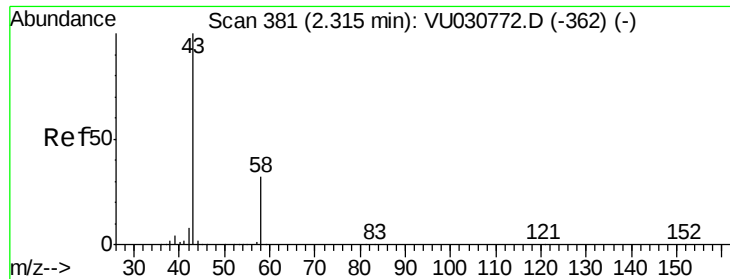


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.756 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.01 min

Lab File: VU030790.D

Acq: 06 Apr 2019 10:36

Instrument :

MSVOA_U

ClientSampled :

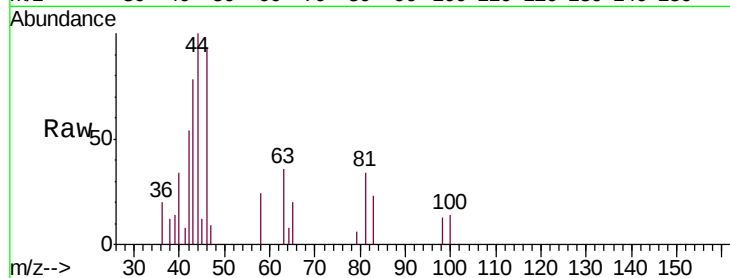
C0BR5

Tgt Ion: 43 Resp: 2639

Ion Ratio Lower Upper

43 100

58 15.2 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU030772.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030772.D (-362) (-)

2.32

1500

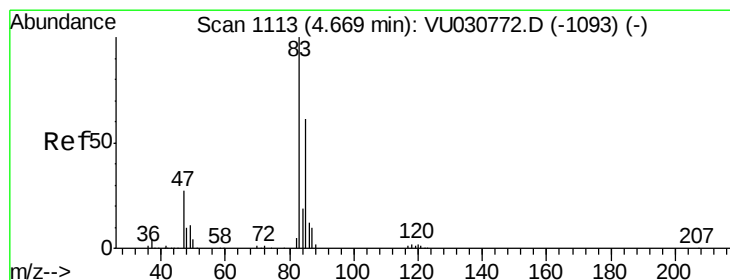
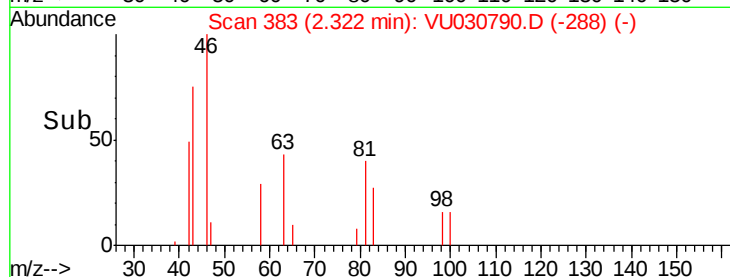
1000

500

0

2.30 2.35

Time-->



#25

Chloroform

Concen: 5.324 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU030790.D

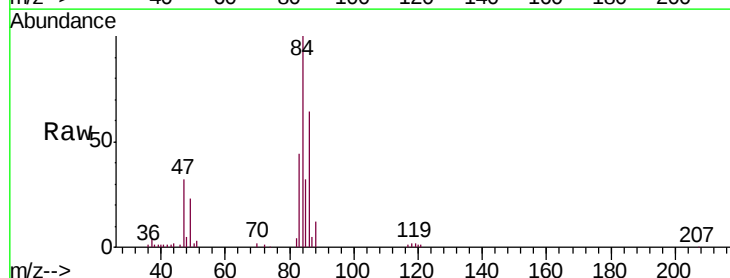
Acq: 06 Apr 2019 10:36

Tgt Ion: 83 Resp: 39055

Ion Ratio Lower Upper

83 100

85 73.3 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VU030772.D (-1093) (-)

Ion 85.00 (84.70 to 85.70): VU030772.D (-1093) (-)

4.67

15000

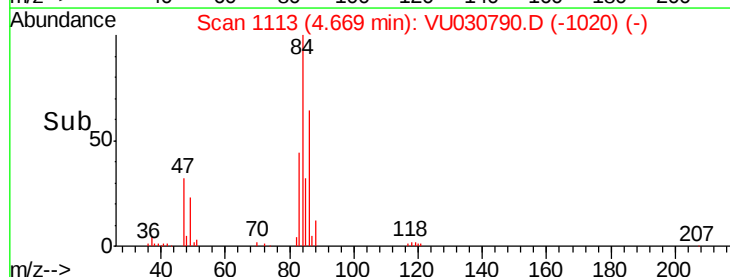
10000

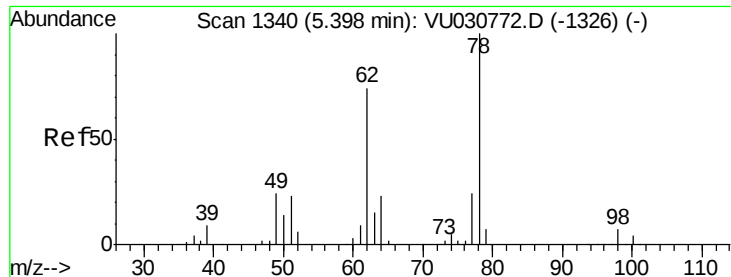
5000

0

4.60 4.65 4.70 4.75

Time-->





#27

1,2-Dichloroethane

Concen: 1.092 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VU030790.D

Acq: 06 Apr 2019 10:36

Instrument :

MSVOA_U

ClientSampleId :

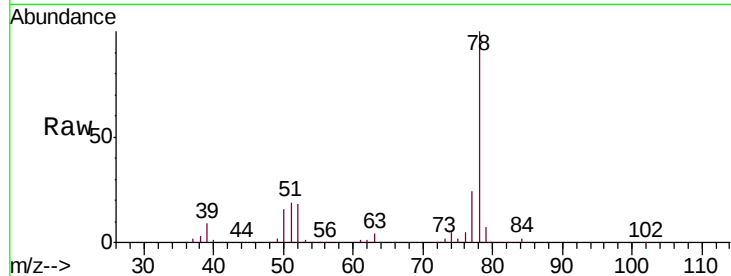
C0BR5

Tgt Ion: 62 Resp: 6114

Ion Ratio Lower Upper

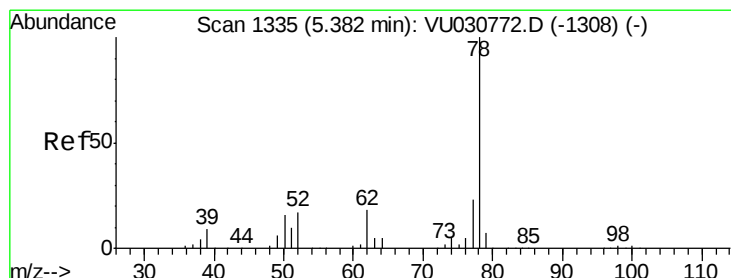
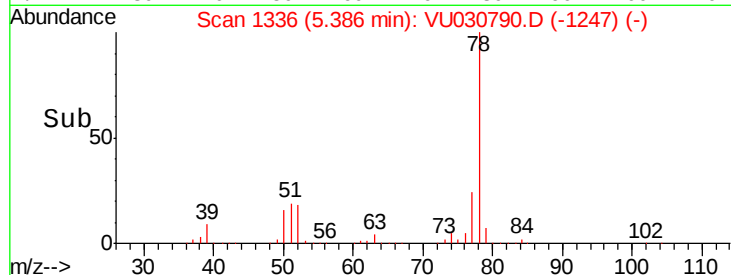
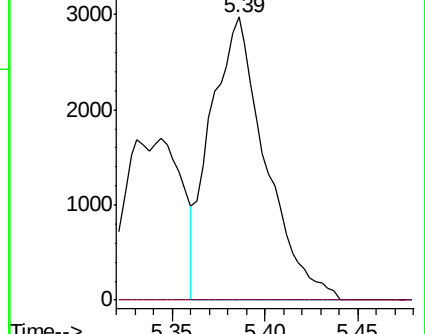
62 100

98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU030772.D (-1326) (-)

Ion 98.00 (97.70 to 98.70): VU030772.D (-1326) (-)



#33

Benzene

Concen: 42.706 ug/L

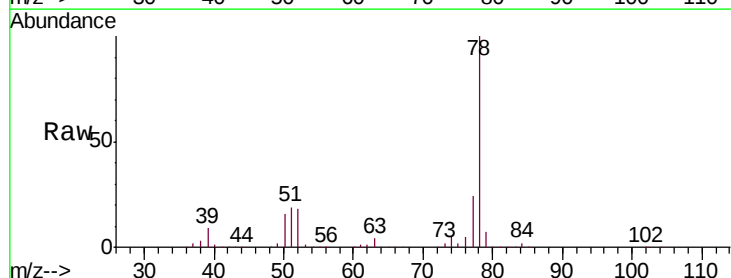
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

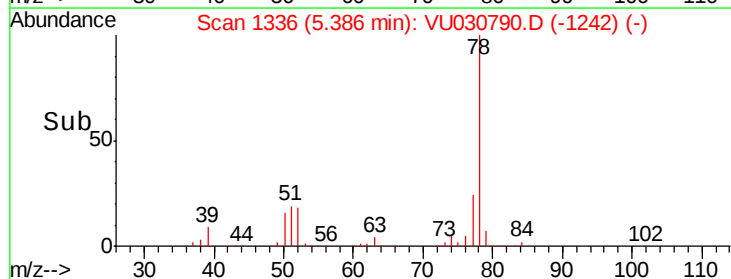
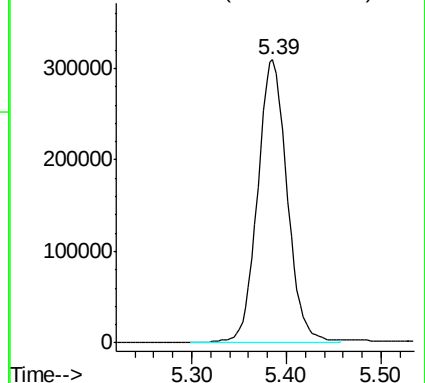
Lab File: VU030790.D

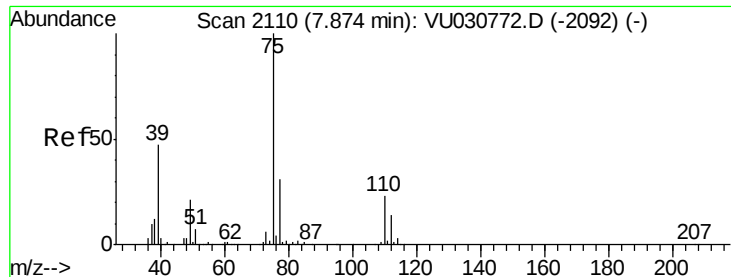
Acq: 06 Apr 2019 10:36

Tgt Ion: 78 Resp: 674098



Abundance Ion 78.00 (77.70 to 78.70): VU030772.D (-1308) (-)

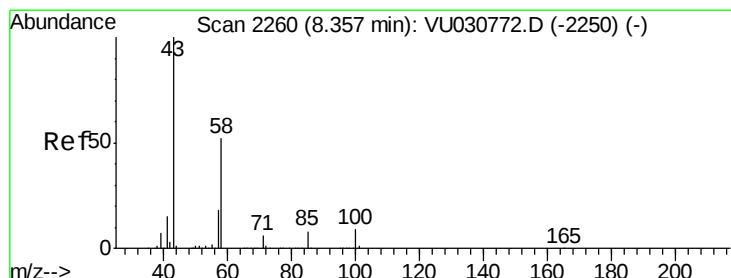
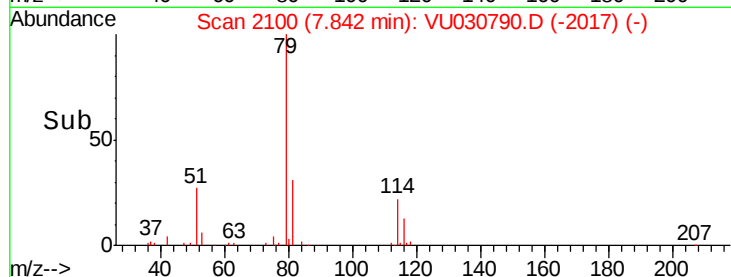
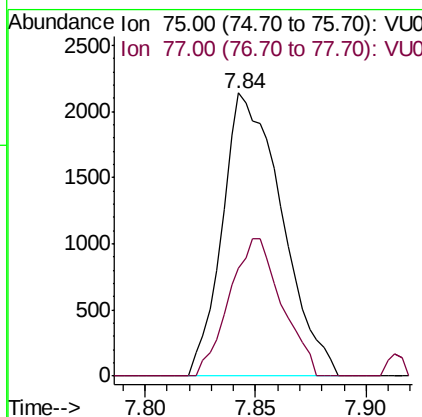
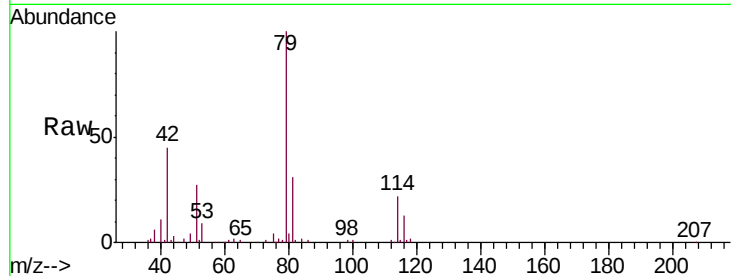




#44
trans-1,3-Dichloropropene
Concen: 0.714 ug/L
RT: 7.84 min Scan# 2100
Delta R.T. -0.03 min
Lab File: VU030790.D
Acq: 06 Apr 2019 10:36

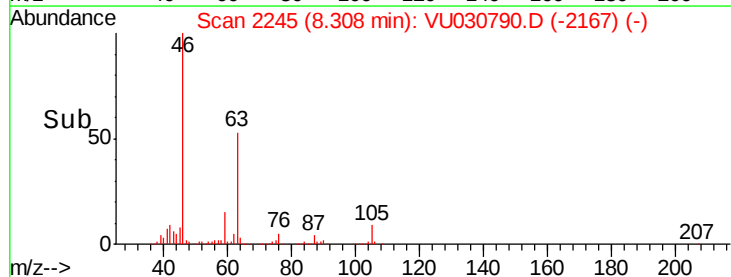
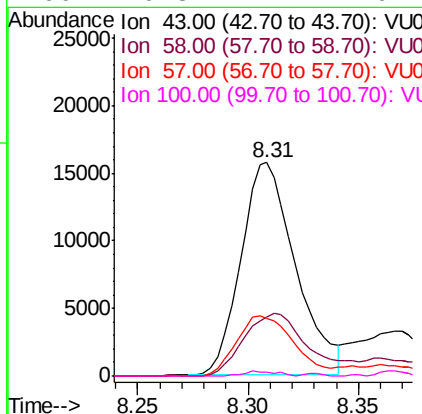
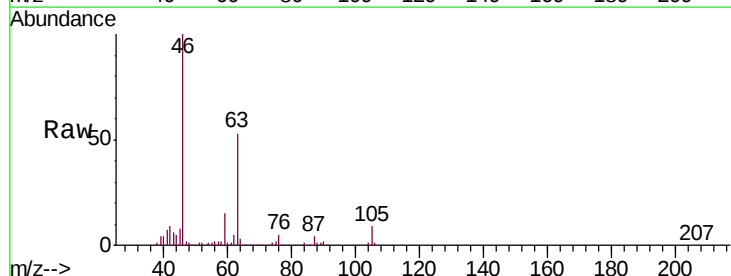
Instrument :
MSVOA_U
ClientSampleId :
C0BR5

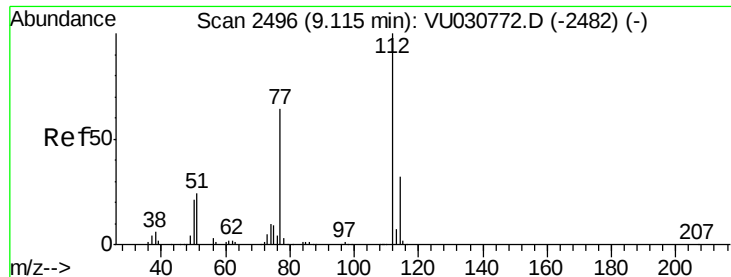
Tgt Ion: 75 Resp: 4005
Ion Ratio Lower Upper
75 100
77 38.0 21.6 40.0



#48
2-Hexanone
Concen: 4.798 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. -0.05 min
Lab File: VU030790.D
Acq: 06 Apr 2019 10:36

Tgt Ion: 43 Resp: 26907
Ion Ratio Lower Upper
43 100
58 35.9 41.9 62.9#
57 29.7 14.3 21.5#
100 0.3 7.1 10.7#





#51

Chlorobenzene

Concen: 271.513 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU030790.D

Acq: 06 Apr 2019 10:36

Instrument :

MSVOA_U

ClientSampleId :

C0BR5

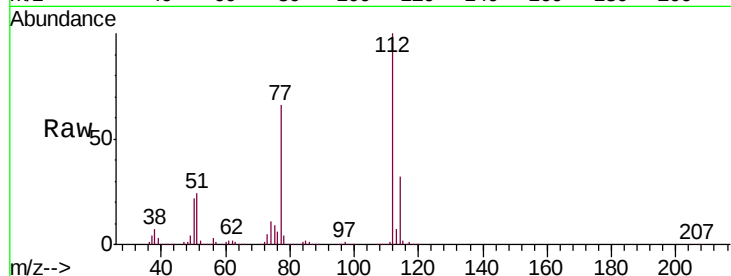
Tgt Ion:112 Resp: 2683140

Ion Ratio Lower Upper

112 100

114 32.4 22.2 41.2

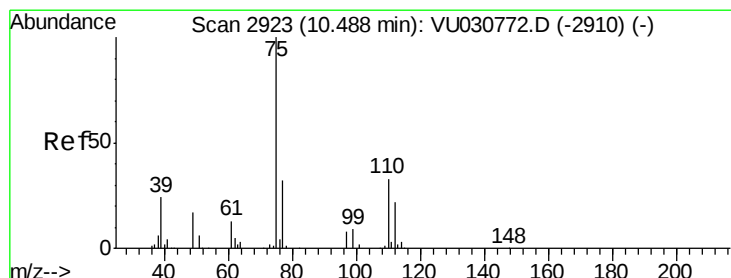
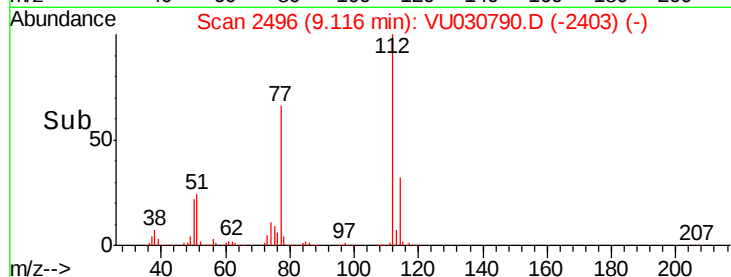
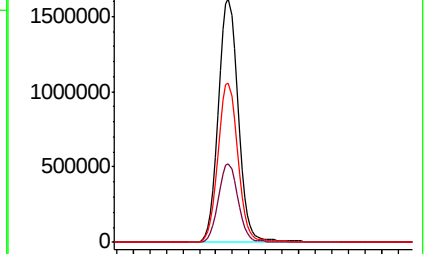
77 65.6 51.7 77.5



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: 6.910 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.93 min

Lab File: VU030790.D

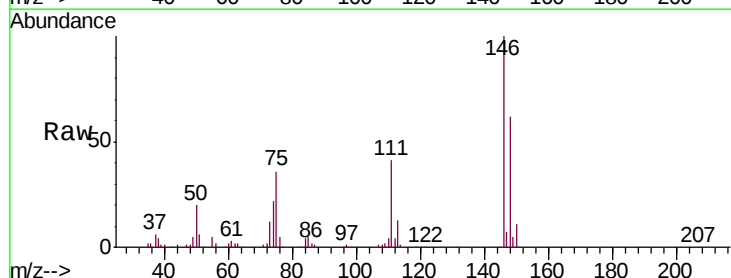
Acq: 06 Apr 2019 10:36

Tgt Ion: 75 Resp: 36988

Ion Ratio Lower Upper

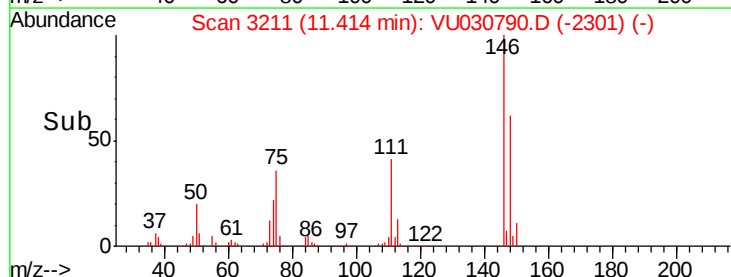
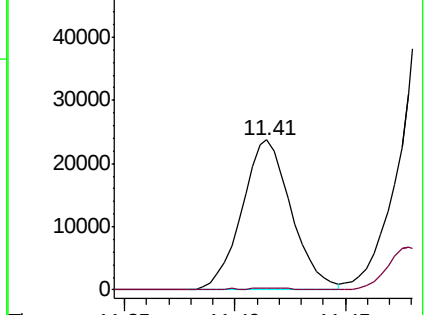
75 100

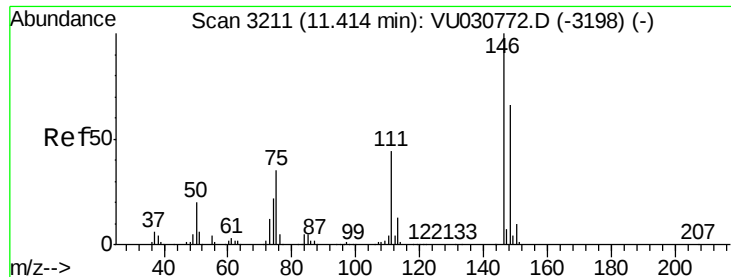
77 1.1 26.1 39.1#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU





#62

1,3-Dichlorobenzene

Concen: 15.495 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU030790.D

Acq: 06 Apr 2019 10:36

Instrument :

MSVOA_U

ClientSampleId :

C0BR5

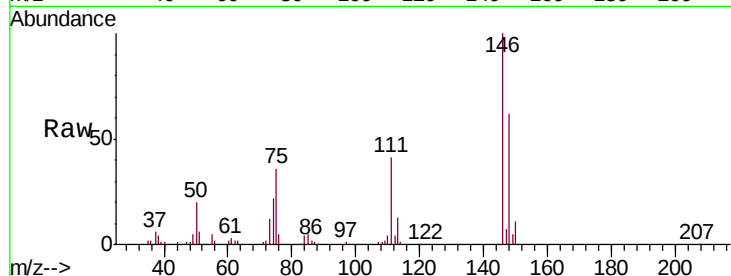
Tgt Ion:146 Resp: 105373

Ion Ratio Lower Upper

146 100

111 40.8 30.9 57.5

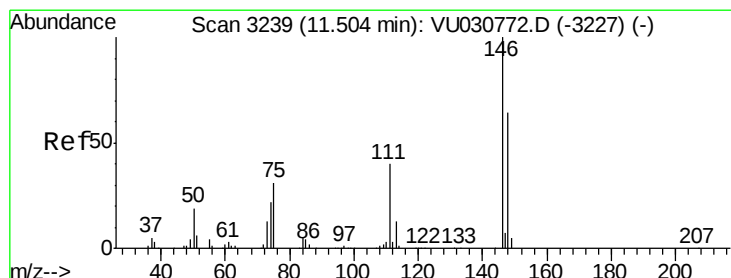
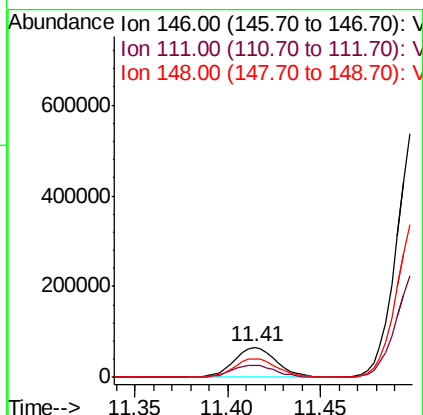
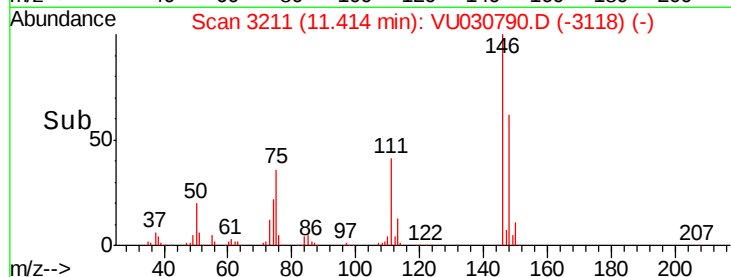
148 61.9 44.7 82.9



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



#63

1,4-Dichlorobenzene

Concen: 139.876 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030790.D

Acq: 06 Apr 2019 10:36

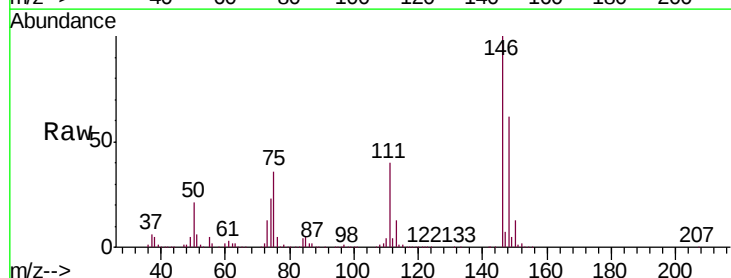
Tgt Ion:146 Resp: 967590

Ion Ratio Lower Upper

146 100

111 40.0 27.7 51.5

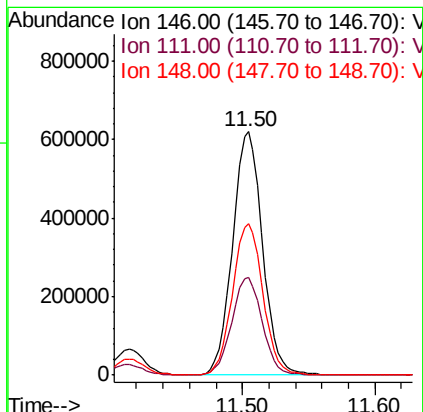
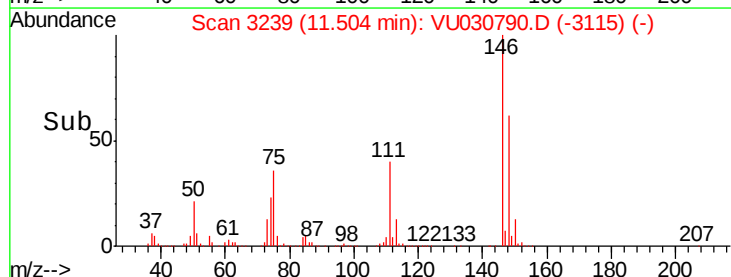
148 62.4 45.4 84.4

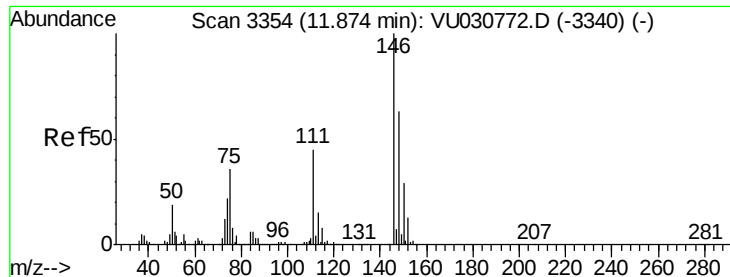


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

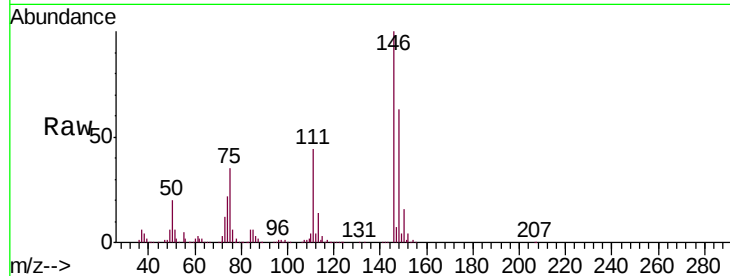




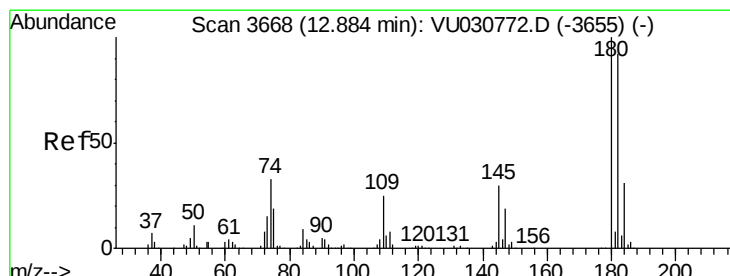
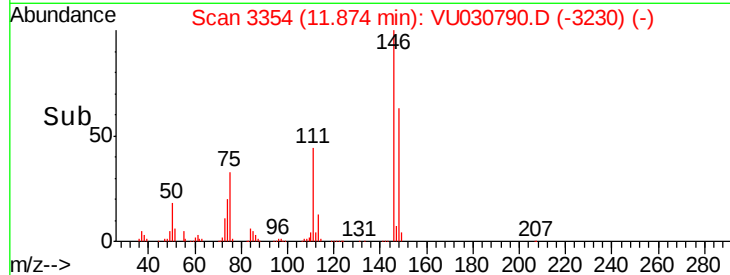
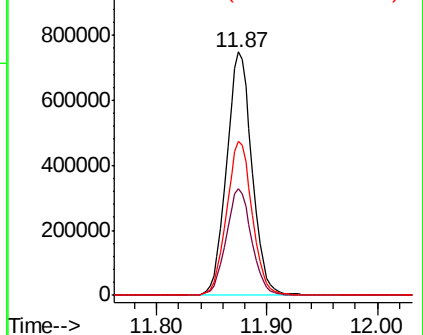
#65
 1,2-Dichlorobenzene
 Concen: 175.004 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU030790.D
 Acq: 06 Apr 2019 10:36

Instrument :
 MSVOA_U
 ClientSampleId :
 C0BR5

Tgt Ion:146 Resp: 1193814
 Ion Ratio Lower Upper
 146 100
 111 43.9 34.9 52.3
 148 63.3 50.4 75.6

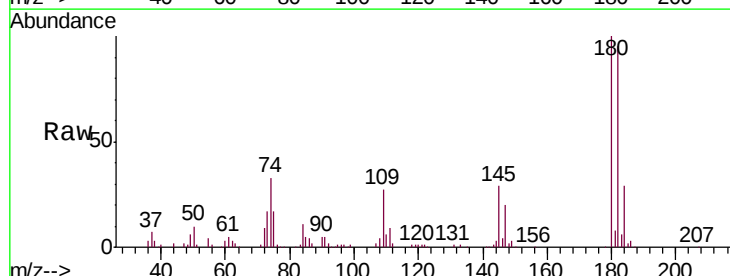


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

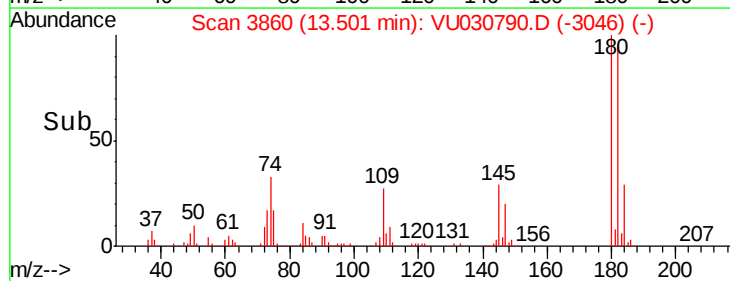
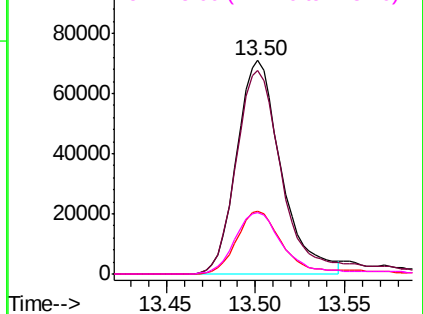


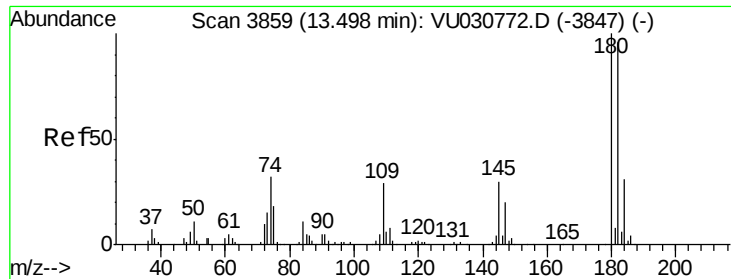
#67
 1,3,5-Trichlorobenzene
 Concen: 24.888 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.62 min
 Lab File: VU030790.D
 Acq: 06 Apr 2019 10:36

Tgt Ion:180 Resp: 123692
 Ion Ratio Lower Upper
 180 100
 182 102.8 78.3 117.5
 184 29.8 24.7 37.1
 145 30.8 24.2 36.4



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

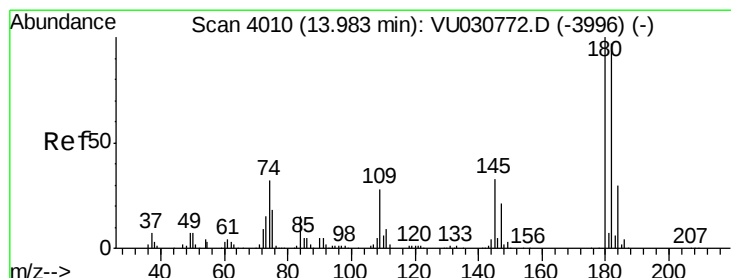
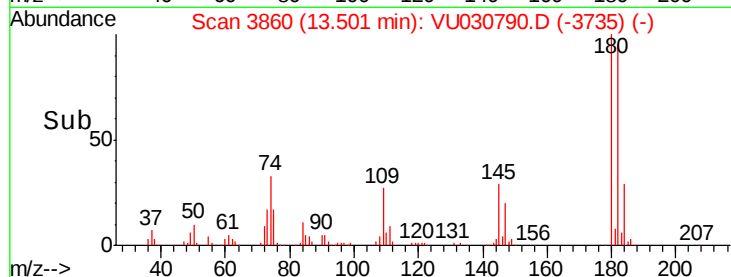
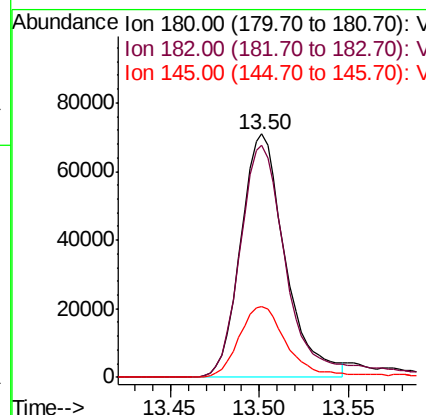
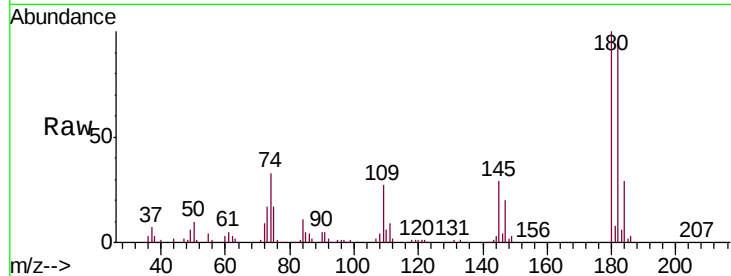




#68
 1,2,4-trichlorobenzene
 Concen: 29.271 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030790.D
 Acq: 06 Apr 2019 10:36

Instrument :
 MSVOA_U
 ClientSampleId :
 C0BR5

Tgt Ion:180 Resp: 123692
 Ion Ratio Lower Upper
 180 100
 182 102.8 76.7 115.1
 145 30.8 24.4 36.6



#70
 1,2,3-Trichlorobenzene
 Concen: 7.096 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030790.D
 Acq: 06 Apr 2019 10:36

Tgt Ion:180 Resp: 31329
 Ion Ratio Lower Upper
 180 100
 182 94.3 78.1 117.1
 145 36.9 26.6 40.0

