

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032219\
 Data File : VU030302.D
 Acq On : 22 Mar 2019 12:50
 Operator : JC/SP
 Sample : K2022-08DL2 200X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09C8DL

Quant Time: Mar 23 02:36:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 23 02:31:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	523792	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	517769	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	241776	50.00	ug/L	0.00

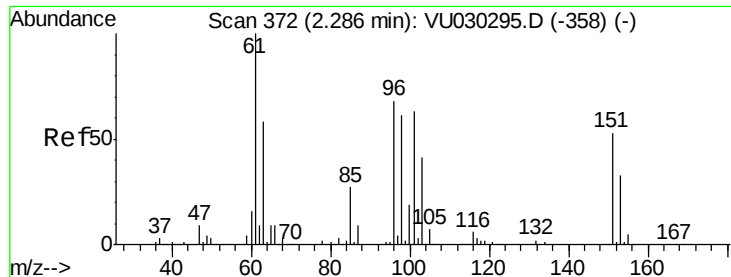
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	146539	41.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.74%
7) Chloroethane-d5	1.68	69	128597	45.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.82%
11) 1,1-Dichloroethene-d2	2.27	63	205437	31.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.58%
21) 2-Butanone-d5	4.17	46	257377	97.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.95%
24) Chloroform-d	4.65	84	293804	45.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.31	65	170724	46.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.10%
32) Benzene-d6	5.34	84	619410	45.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	6.33	67	198739	47.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.14%
41) Toluene-d8	7.56	98	550093	42.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.76%
43) trans-1,3-Dichloropropene-	7.85	79	88727	43.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.32%
47) 2-Hexanone-d5	8.31	63	205813	94.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.01%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	302505	46.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.42%
64) 1,2-Dichlorobenzene-d4	11.86	152	235296	48.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.94%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2206	0.627	ug/L #	18
44) trans-1,3-Dichloropropene	7.85	75	3327	0.626	ug/L	90
48) 2-Hexanone	8.37	43	4513	1.034	ug/L #	92
51) Chlorobenzene	9.12	112	182051	16.924	ug/L	99
59) 1,2,3-Trichloropropane	11.41	75	6143	1.188	ug/L #	42
62) 1,3-Dichlorobenzene	11.42	146	24185	3.135	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	161724	20.212	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	436754	55.418	ug/L	98
67) 1,3,5-Trichlorobenzene	13.50	180	96536	16.013	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	96536	18.108	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	13294	2.390	ug/L	96

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



#10

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

Concen: 0.627 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU030302.D

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Instrument :

MSVOA_U

ClientSampleId :

C09C8DL

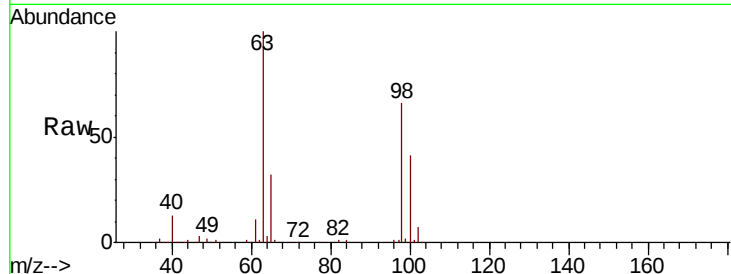
Tgt Ion: 101 Resp: 2206

Ion Ratio Lower Upper

101 100

85 0.0 32.5 48.7#

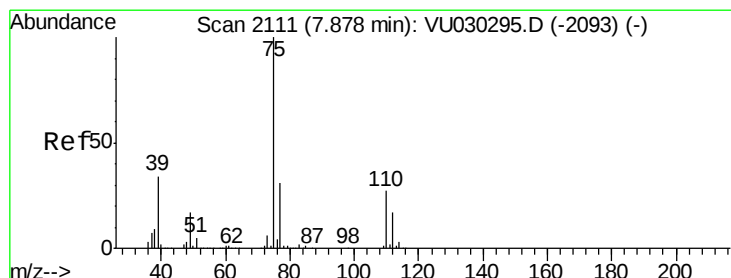
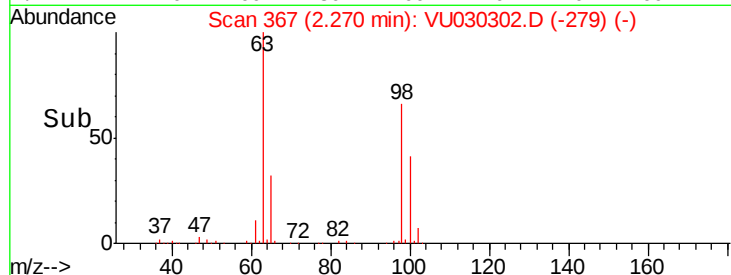
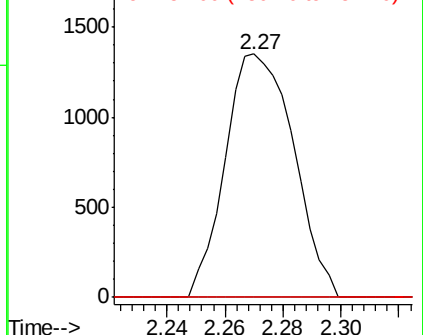
151 0.0 64.7 97.1#



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



#44

trans-1,3-Dichloropropene

Concen: 0.626 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030302.D

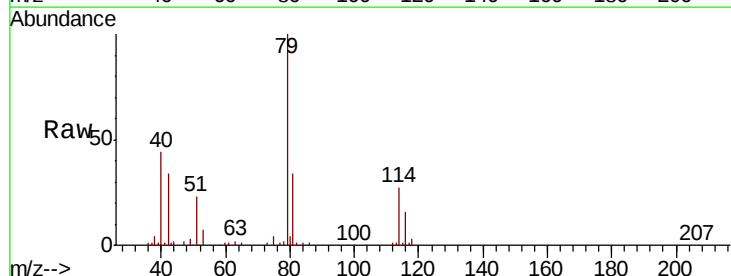
Acq: 22 Mar 2019 12:50

Tgt Ion: 75 Resp: 3327

Ion Ratio Lower Upper

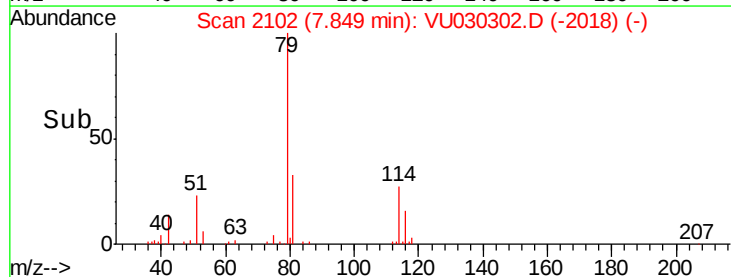
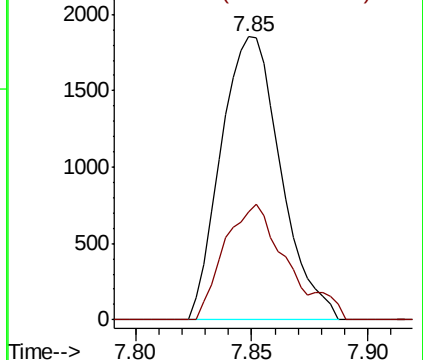
75 100

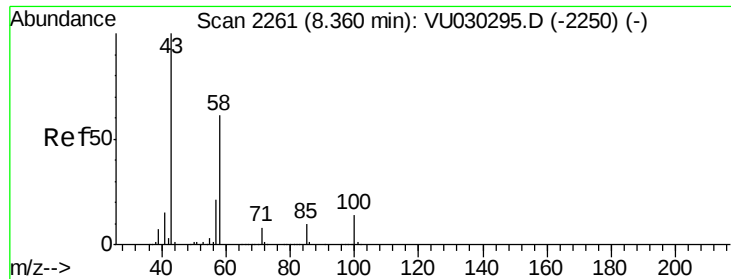
77 38.2 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

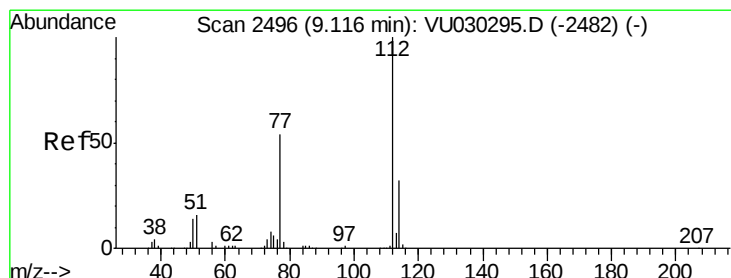
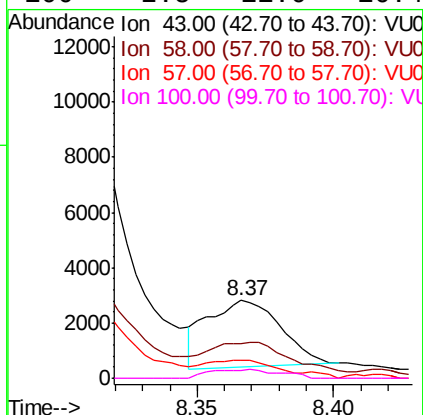
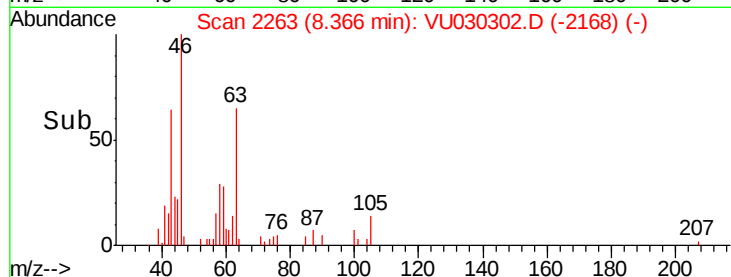
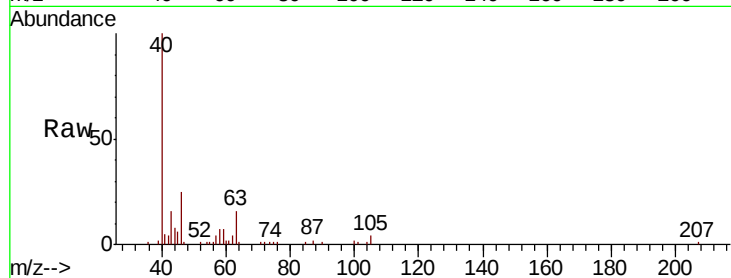




#48
2-Hexanone
Concen: 1.034 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU030302.D
Acq: 22 Mar 2019 12:50

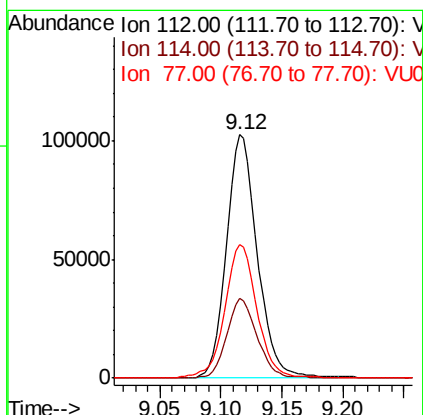
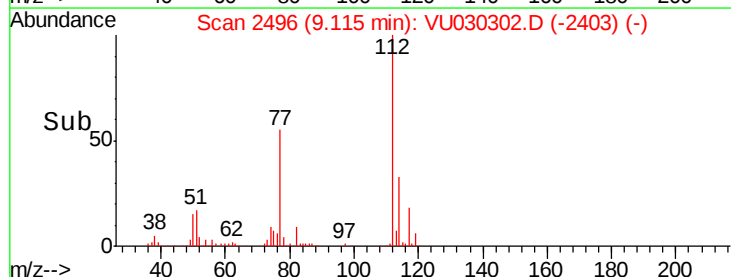
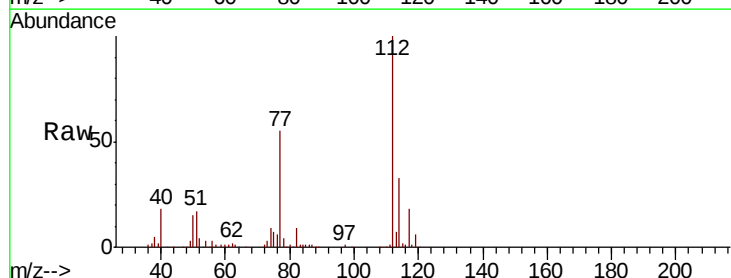
Instrument :
MSVOA_U
ClientSampleId :
C09C8DL

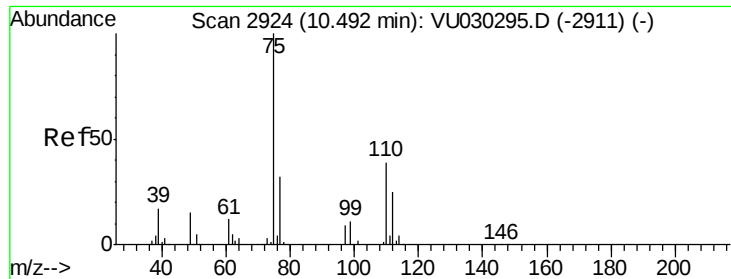
Tgt Ion: 43 Resp: 4513
Ion Ratio Lower Upper
43 100
58 64.9 49.3 73.9
57 17.5 17.0 25.4
100 2.5 11.0 16.4#



#51
Chlorobenzene
Concen: 16.924 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030302.D
Acq: 22 Mar 2019 12:50

Tgt Ion: 112 Resp: 182051
Ion Ratio Lower Upper
112 100
114 32.6 22.5 41.7
77 55.0 43.4 65.0





#59

1,2,3-Trichloropropane

Concen: 1.188 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.92 min

Lab File: VU030302.D

Acq: 22 Mar 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

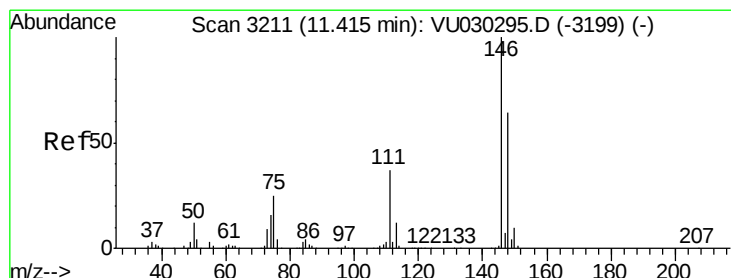
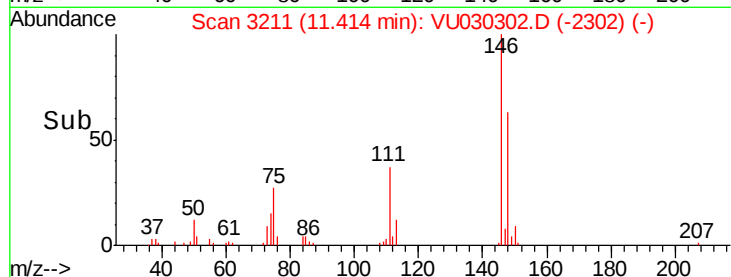
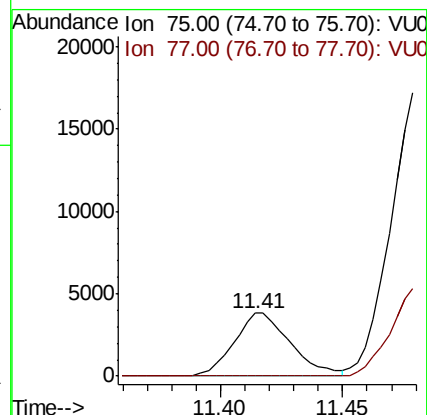
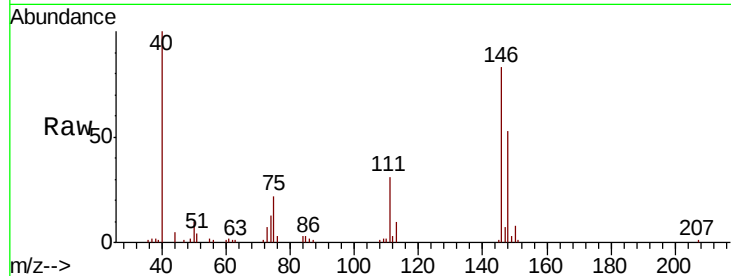
C09C8DL

Tgt Ion: 75 Resp: 6143

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#



#62

1,3-Dichlorobenzene

Concen: 3.135 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030302.D

Acq: 22 Mar 2019 12:50

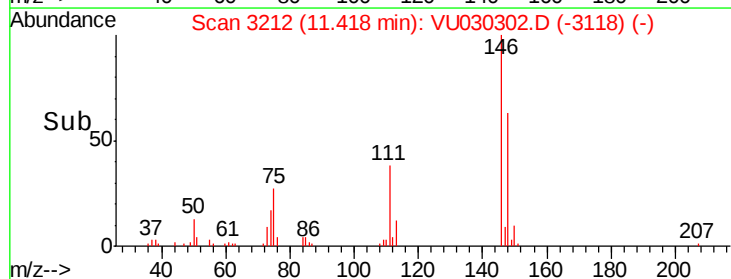
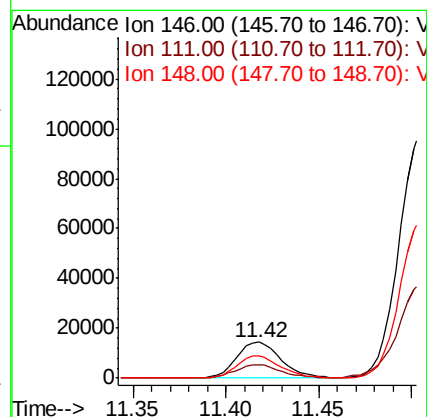
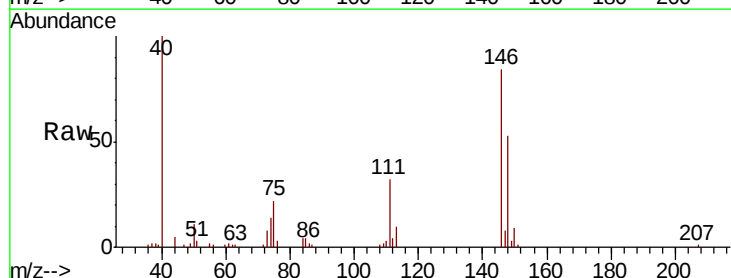
Tgt Ion: 146 Resp: 24185

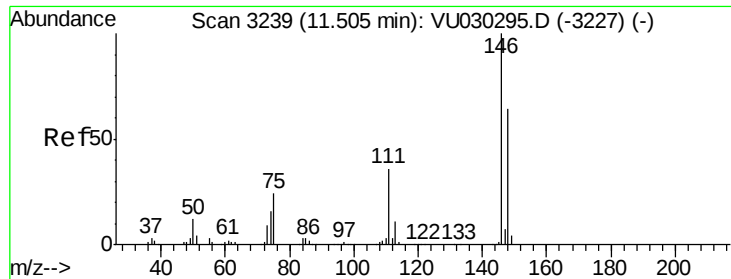
Ion Ratio Lower Upper

146 100

111 38.2 27.2 50.4

148 62.6 44.4 82.5

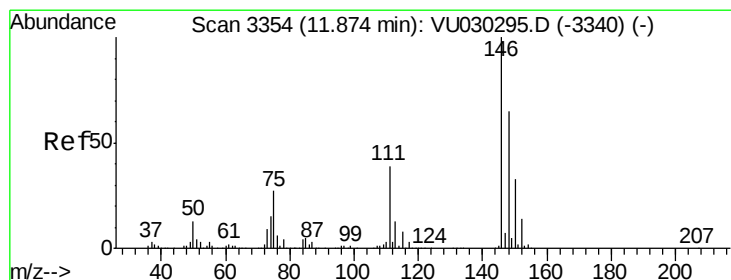
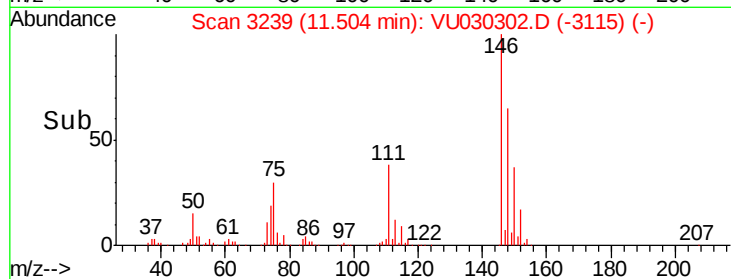
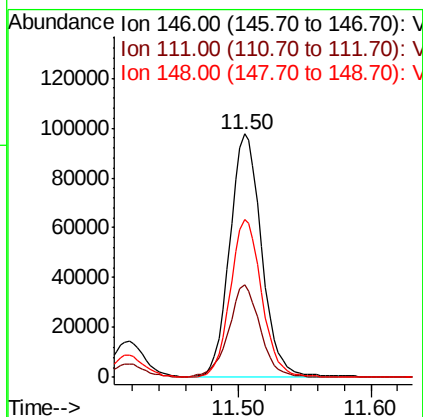
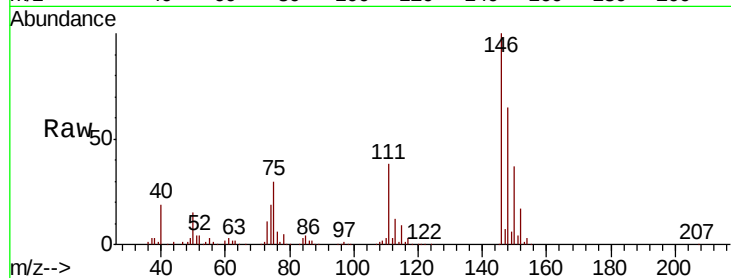




#63
 1,4-Dichlorobenzene
 Concen: 20.212 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030302.D
 Acq: 22 Mar 2019 12:50

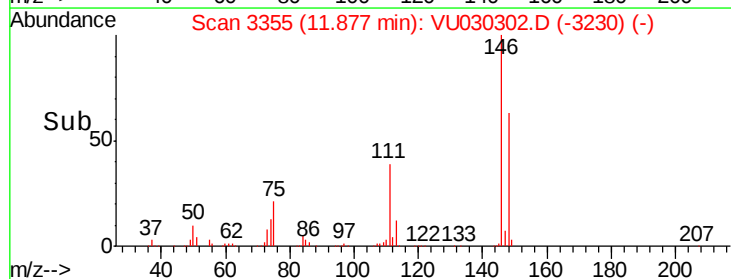
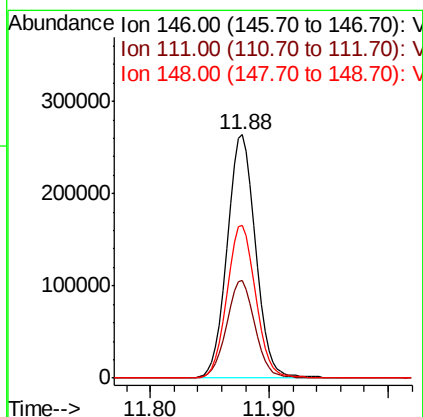
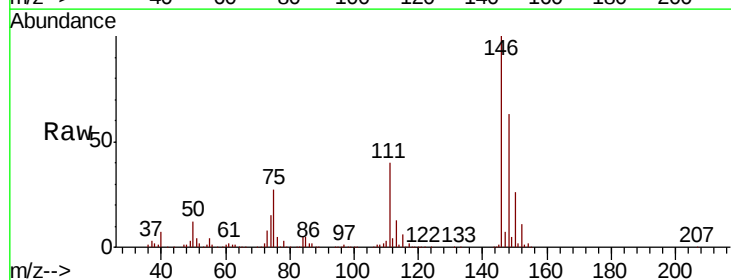
Instrument :
 MSVOA_U
 ClientSampleId :
 C09C8DL

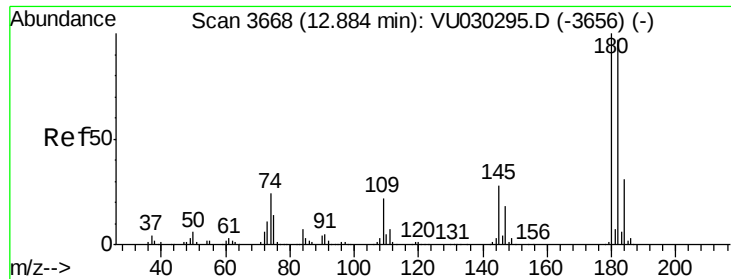
Tgt Ion:146 Resp: 161724
 Ion Ratio Lower Upper
 146 100
 111 38.1 25.3 46.9
 148 64.7 44.7 82.9



#65
 1,2-Dichlorobenzene
 Concen: 55.418 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030302.D
 Acq: 22 Mar 2019 12:50

Tgt Ion:146 Resp: 436754
 Ion Ratio Lower Upper
 146 100
 111 40.0 31.7 47.5
 148 63.0 52.0 78.0

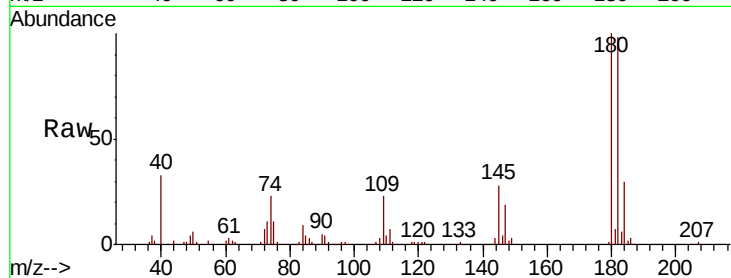




#67
 1,3,5-Trichlorobenzene
 Concen: 16.013 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.62 min
 Lab File: VU030302.D
 Acq: 22 Mar 2019 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 C09C8DL

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	76.0	114.0
184	30.4	24.2	36.4
145	26.9	22.1	33.1



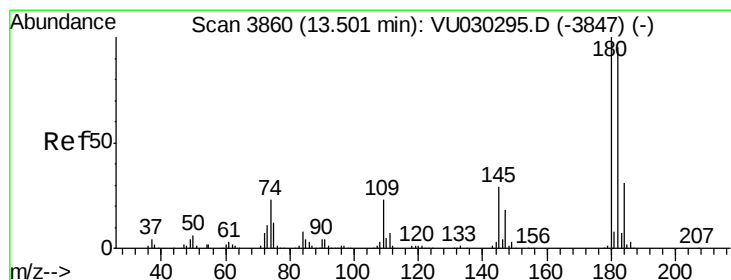
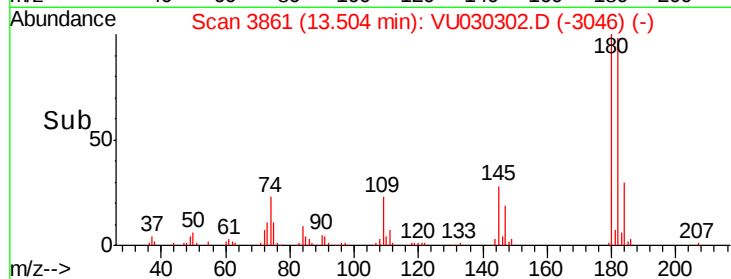
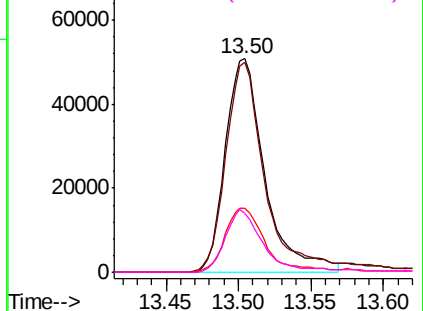
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

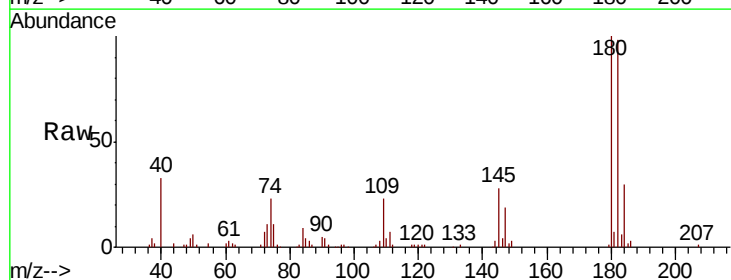
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 18.108 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.00 min
 Lab File: VU030302.D
 Acq: 22 Mar 2019 12:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	76.4	114.6
145	26.9	22.7	34.1

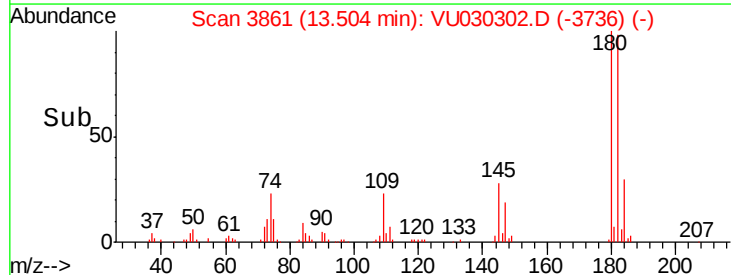
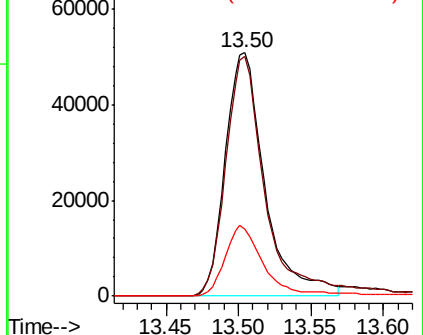


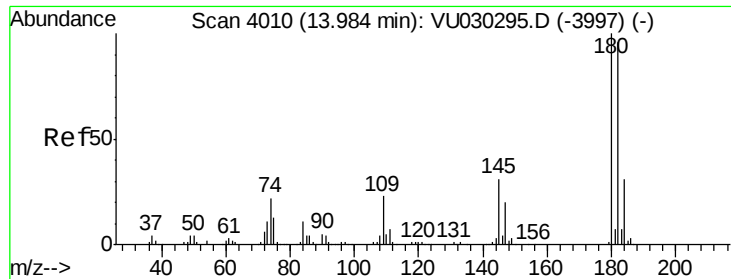
Abundance

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: 2.390 ug/L
 RT: 13.99 min Scan# 4012
 Delta R.T. 0.01 min
 Lab File: VU030302.D
 Acq: 22 Mar 2019 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 C09C8DL

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.9	75.9	113.9
145	28.8	24.1	36.1

