

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052219\
 Data File : VU032251.D
 Acq On : 23 May 2019 03:54
 Operator : JC/SP
 Sample : K3001-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YF1

Quant Time: May 23 07:31:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 23 07:22:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	366127	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	380759	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	147604	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	112184	5.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.20%
7) Chloroethane-d5	1.67	69	95965	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.00%
11) 1,1-Dichloroethene-d2	2.27	63	194649	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.80%
20) 2-Butanone-d5	4.19	46	237316	40.92	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.84%
24) Chloroform-d	4.64	84	219185	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.40%
26) 1,2-Dichloroethane-d4	5.31	65	106809	3.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.80%
32) Benzene-d6	5.33	84	450824	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.40%
36) 1,2-Dichloropropane-d6	6.33	67	133261	3.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.00%
41) Toluene-d8	7.56	98	375883	3.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.60%
43) trans-1,3-Dichloropropene-	7.85	79	42967	3.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	63.60%
46) 2-Hexanone-d5	8.31	63	199418	39.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.56%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	105317	3.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	60.40%#
64) 1,2-Dichlorobenzene-d4	11.86	152	136078	3.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	67.00%#

Target Compounds

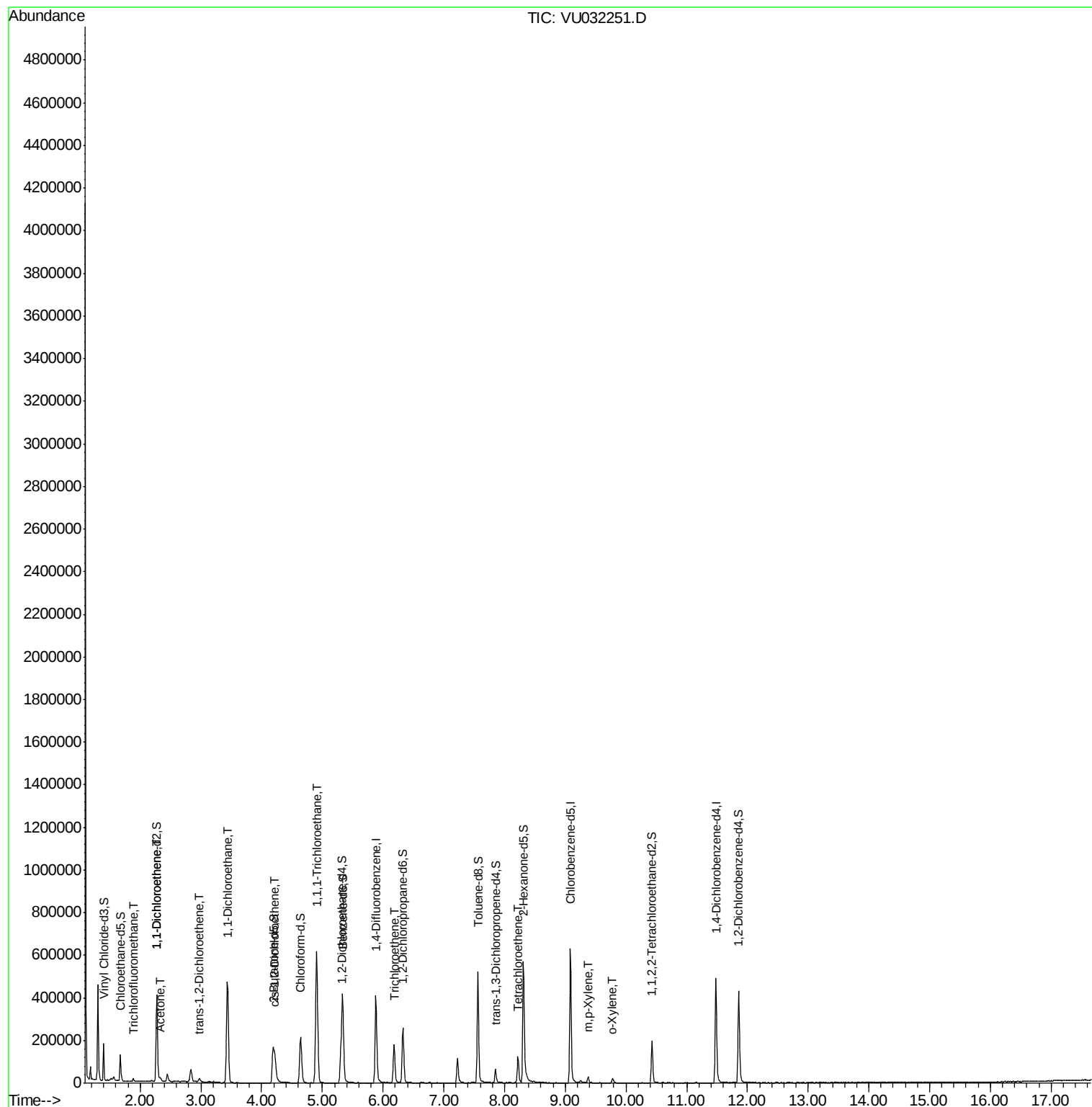
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.88	101	6476	0.315	ug/L	97
12) 1,1-Dichloroethene	2.28	96	60049	4.609	ug/L #	77
13) Acetone	2.32	43	13291	7.396	ug/L	98
18) trans-1,2-Dichloroethene	2.97	96	6426	0.459	ug/L	97
19) 1,1-Dichloroethane	3.44	63	512886	23.745	ug/L	97
22) cis-1,2-Dichloroethene	4.22	96	46422	3.400	ug/L	97
29) 1,1,1-Trichloroethane	4.91	97	491559	24.873	ug/L	98
34) Trichloroethene	6.18	95	64632	4.676	ug/L	94
47) Tetrachloroethene	8.22	164	30988	2.716	ug/L	93
53) m,p-Xylene	9.38	106	9552	0.466	ug/L	75
54) o-Xylene	9.78	106	6041	0.295	ug/L	98

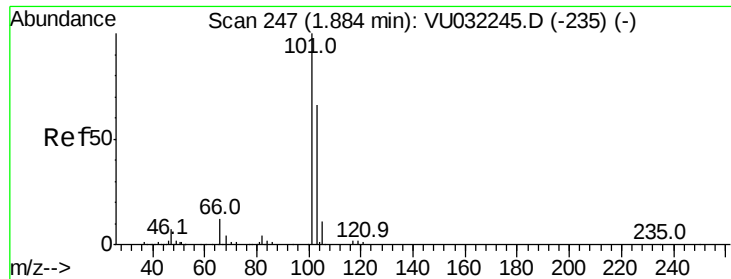
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 23 07:22:00 2019
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 0.315 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU032251.D

Acq: 23 May 2019 03:54

Instrument :

MSVOA_U

ClientSampleId :

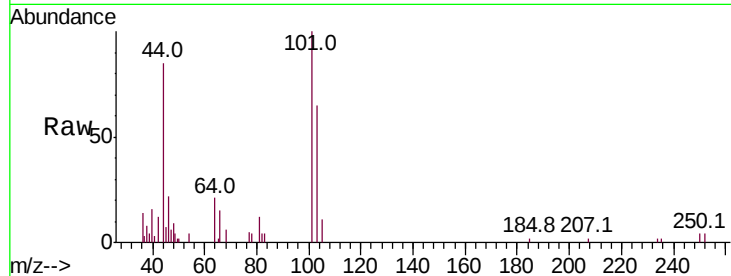
E3YF1

Tot Ion:101 Resp: 6476

Ion Ratio Lower Upper

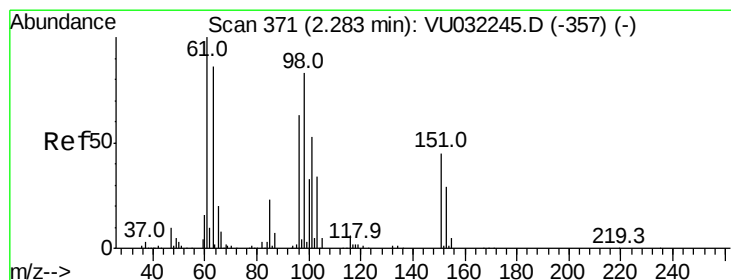
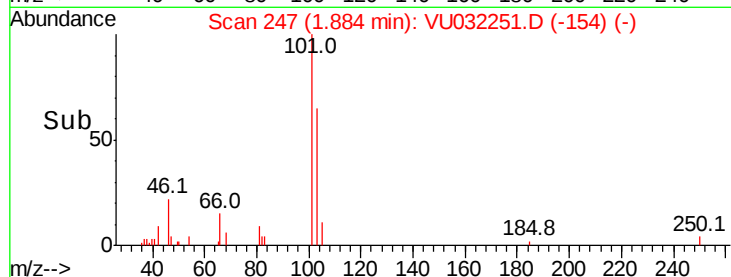
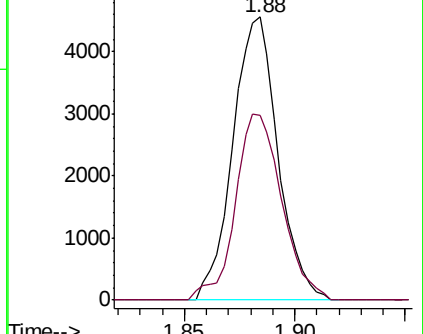
101 100

103 67.4 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1-Dichloroethene

Concen: 4.609 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032251.D

Acq: 23 May 2019 03:54

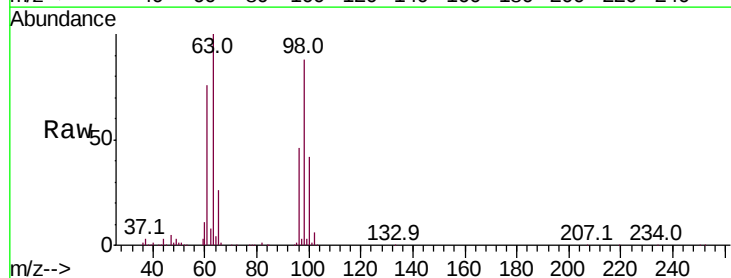
Tgt Ion: 96 Resp: 60049

Ion Ratio Lower Upper

96 100

61 164.8 113.8 211.3

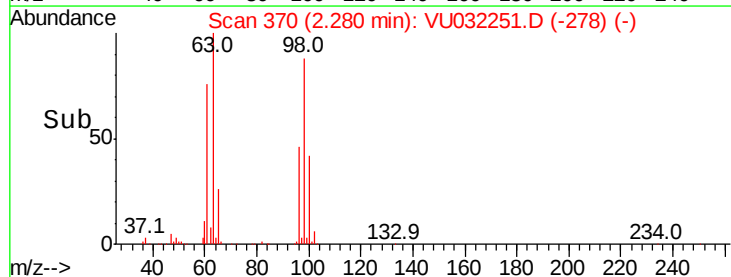
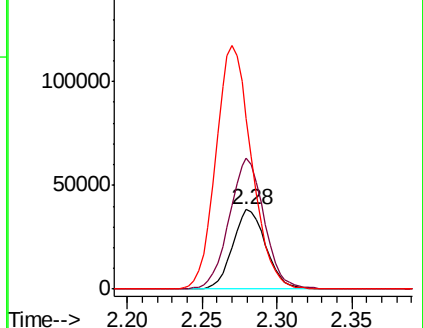
63 215.4 108.8 202.2#

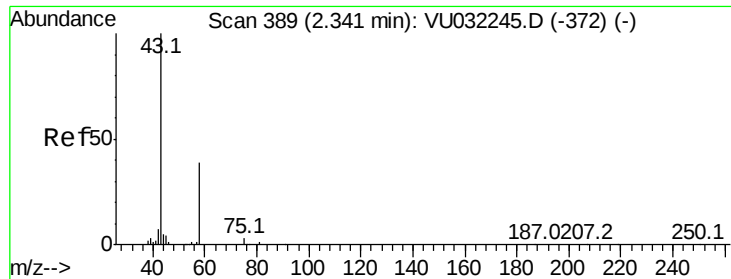


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 7.396 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU032251.D

Acq: 23 May 2019 03:54

Instrument :

MSVOA_U

ClientSampleId :

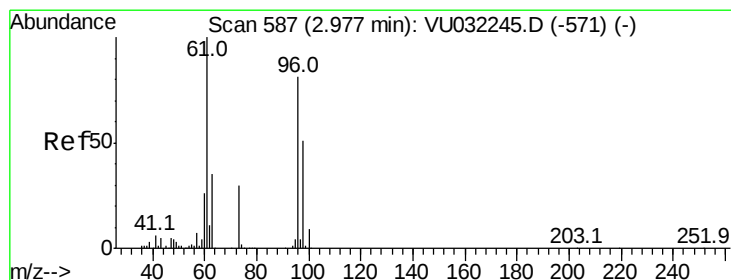
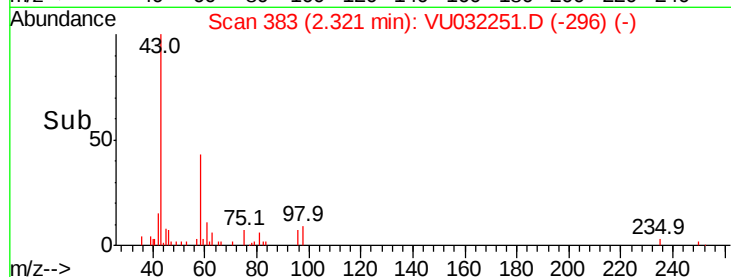
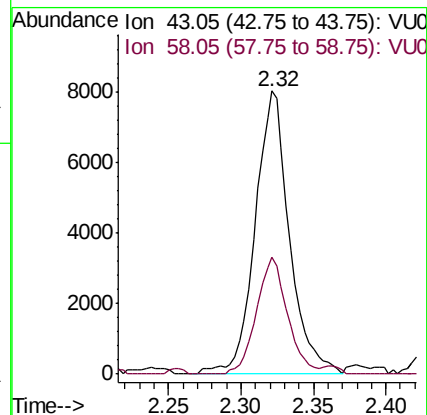
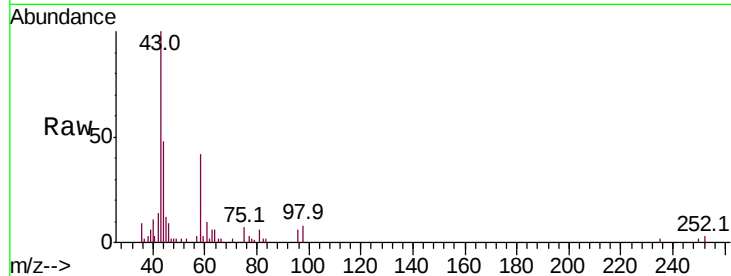
E3YF1

Tot Ion: 43 Resp: 13291

Ion Ratio Lower Upper

43 100

58 37.3 0.0 72.6



#18

trans-1,2-Dichloroethene

Concen: 0.459 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU032251.D

Acq: 23 May 2019 03:54

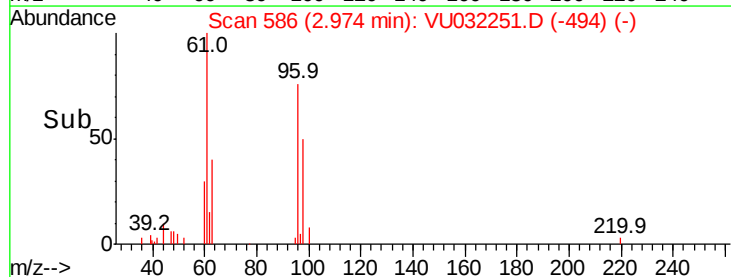
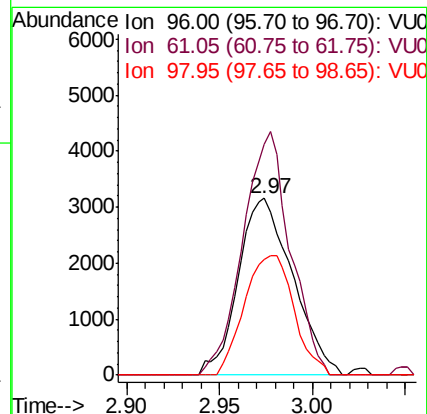
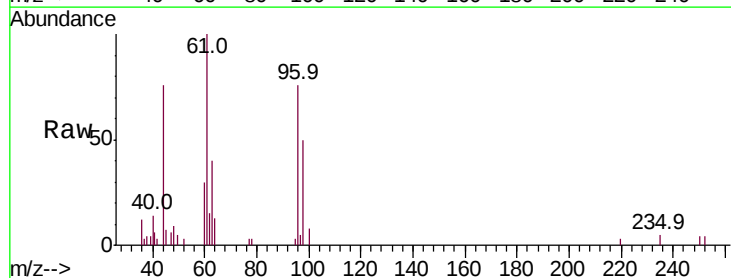
Tgt Ion: 96 Resp: 6426

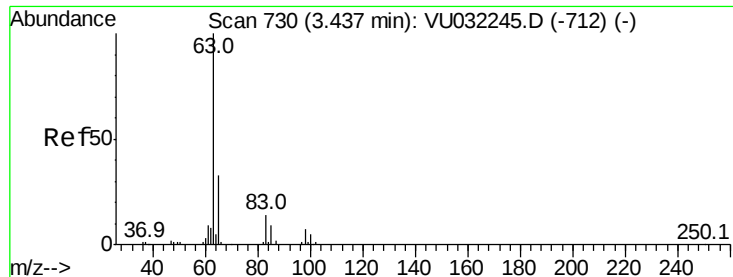
Ion Ratio Lower Upper

96 100

61 130.8 90.6 168.3

98 65.6 49.5 91.9



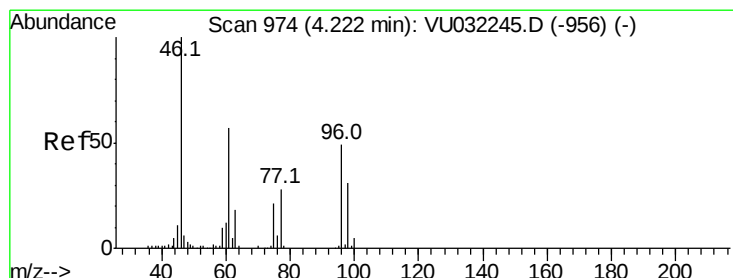
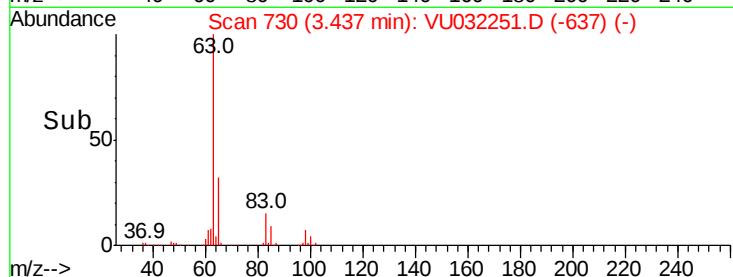
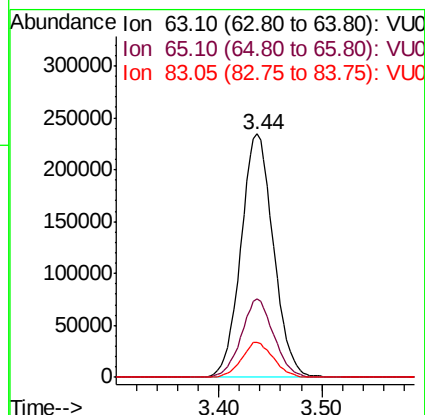
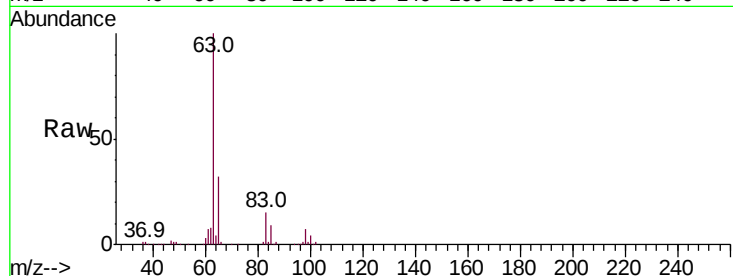


#19
 1,1-Dichloroethane
 Concen: 23.745 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU032251.D
 Acq: 23 May 2019 03:54

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YF1

Tot Ion: 63 Resp: 512886

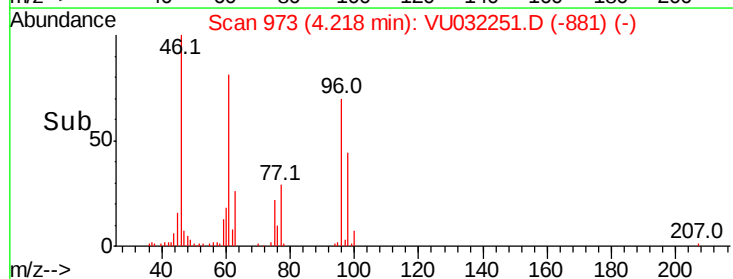
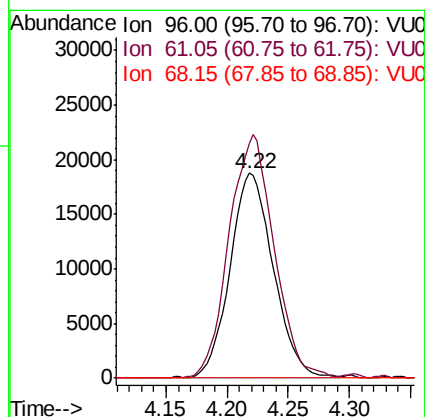
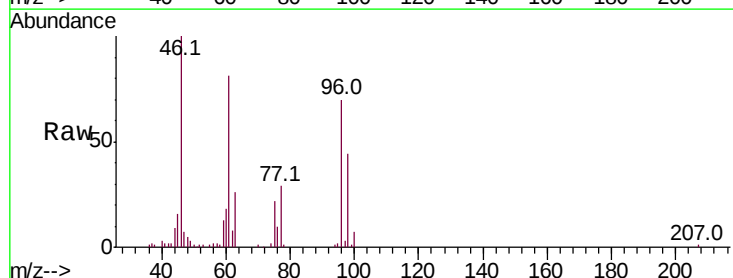
Ion	Ratio	Lower	Upper
63	100		
65	32.1	23.5	43.7
83	14.5	8.8	16.3

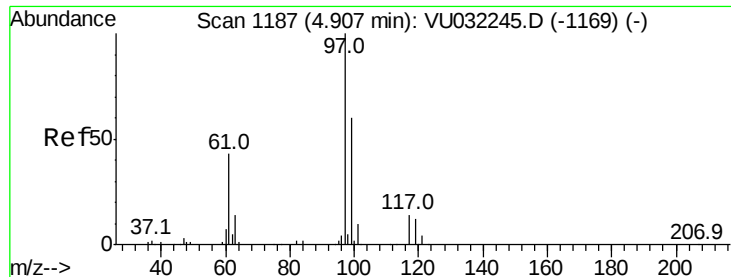


#22
 cis-1,2-Dichloroethene
 Concen: 3.400 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU032251.D
 Acq: 23 May 2019 03:54

Tgt Ion: 96 Resp: 46422

Ion	Ratio	Lower	Upper
96	100		
61	114.8	82.5	153.1
68	0.0	0.0	0.0

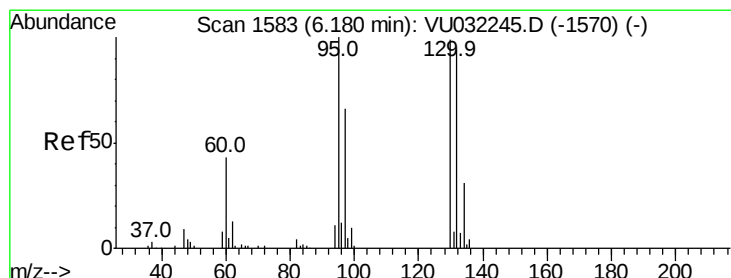
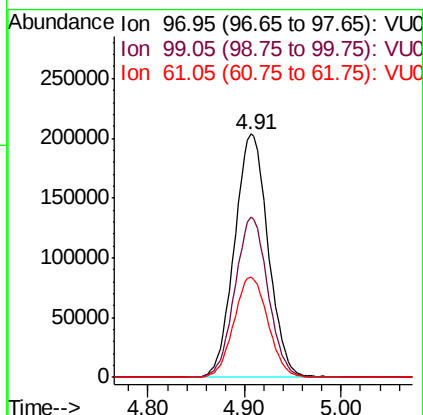
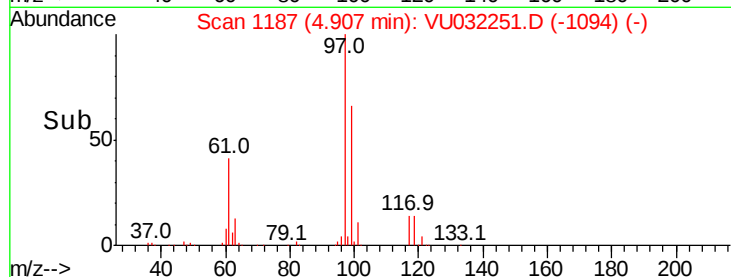
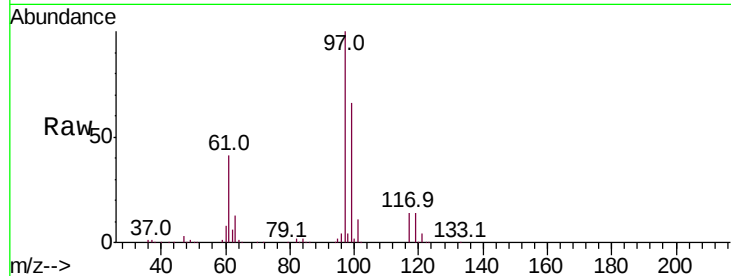




#29
 1,1,1-Trichloroethane
 Concen: 24.873 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VU032251.D
 Acq: 23 May 2019 03:54

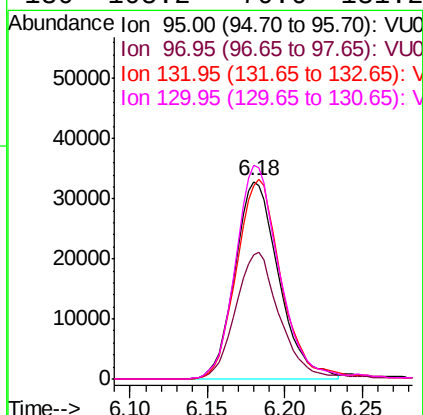
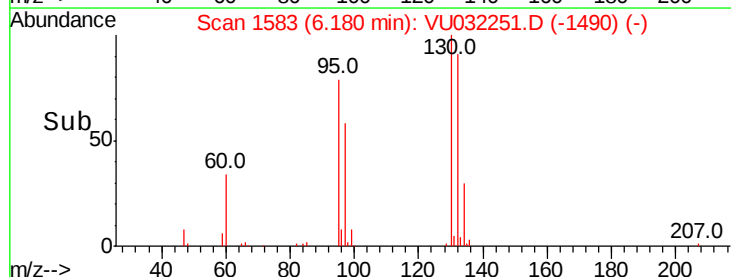
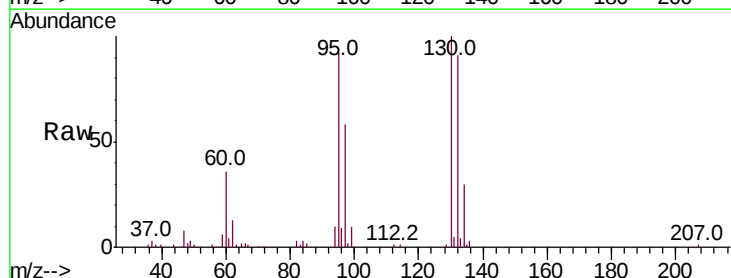
Instrument :
 MSVOA_U
 ClientSampleId :
 E3YF1

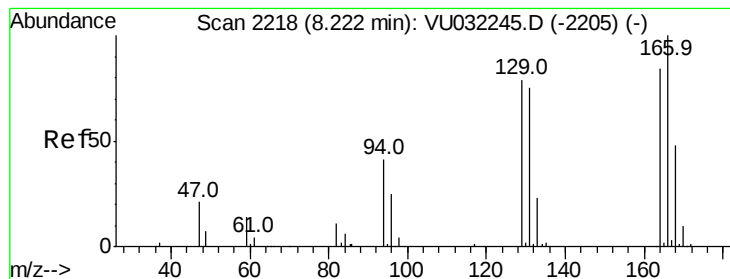
Tot Ion: 97 Resp: 491559
 Ion Ratio Lower Upper
 97 100
 99 64.6 50.3 75.5
 61 41.8 34.1 51.1



#34
 Trichloroethene
 Concen: 4.676 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU032251.D
 Acq: 23 May 2019 03:54

Tgt Ion: 95 Resp: 64632
 Ion Ratio Lower Upper
 95 100
 97 62.8 39.9 74.1
 132 98.2 65.9 122.5
 130 108.2 70.6 131.2





#47

Tetrachloroethene

Concen: 2.716 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU032251.D

Acq: 23 May 2019 03:54

Instrument :

MSVOA_U

ClientSampleId :

E3YF1

Tot Ion:164 Resp: 30988

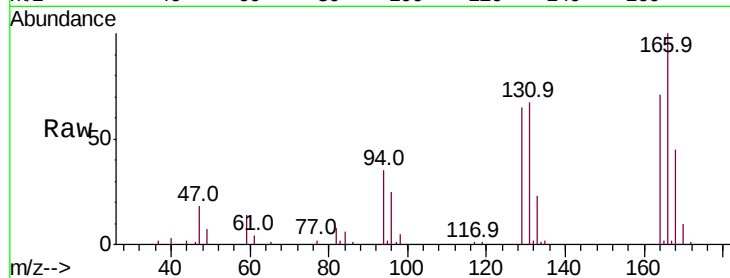
Ion Ratio Lower Upper

164 100

129 91.1 67.1 124.7

131 93.5 62.2 115.4

166 140.2 90.9 168.9

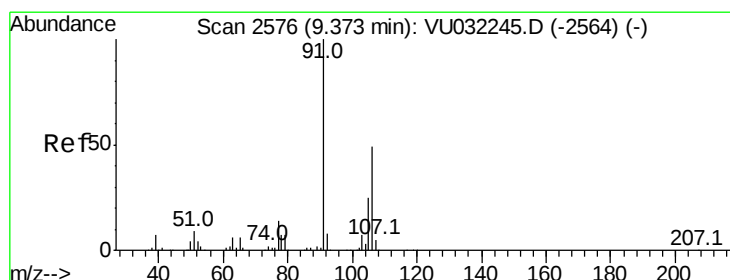
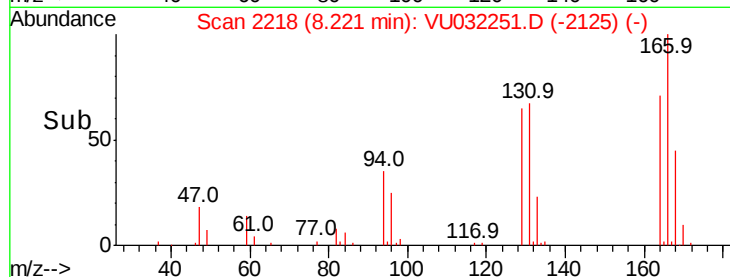
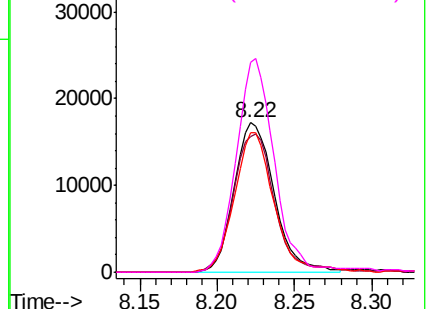


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#53

m,p-Xylene

Concen: 0.466 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VU032251.D

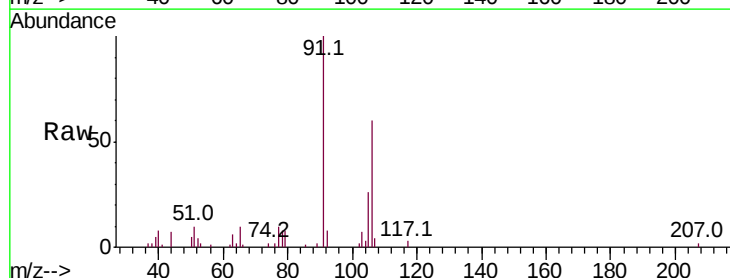
Acq: 23 May 2019 03:54

Tgt Ion:106 Resp: 9552

Ion Ratio Lower Upper

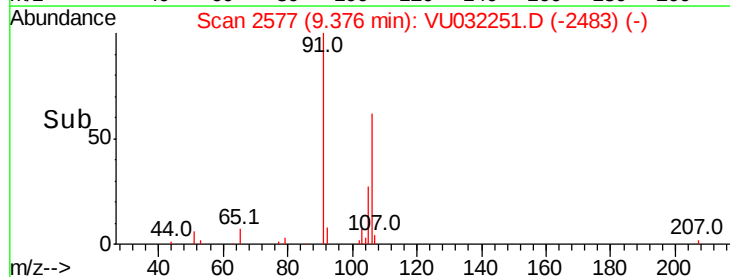
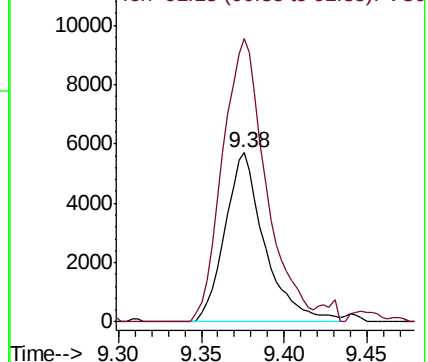
106 100

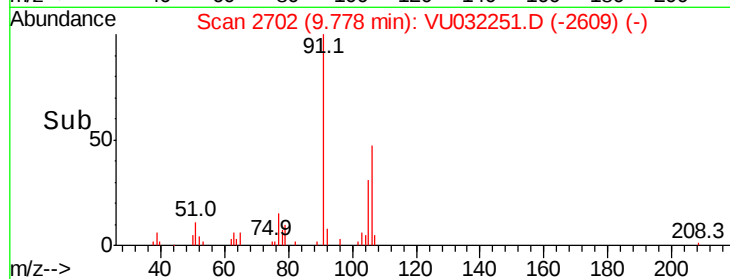
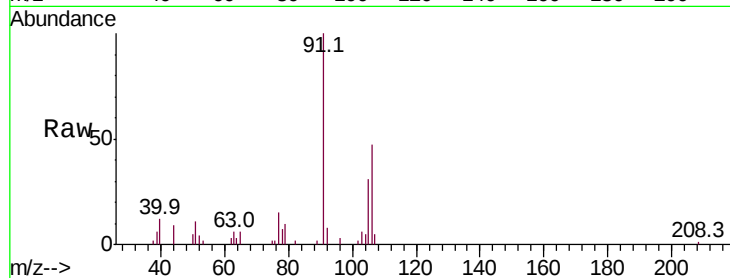
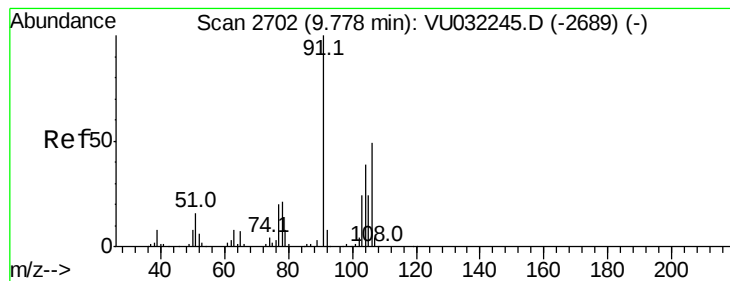
91 167.2 143.9 267.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#54

o-Xylene

Concen: 0.295 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VU032251.D

Acq: 23 May 2019 03:54

Instrument :

MSVOA_U

ClientSampleId :

E3YF1

Tot Ion:106 Resp: 6041

Ion Ratio Lower Upper

106 100

91 214.8 147.8 274.4

