

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052219\
 Data File : VU032252.D
 Acq On : 23 May 2019 04:18
 Operator : JC/SP
 Sample : K3001-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YF2

Quant Time: May 23 07:44:29 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	367849	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	378653	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	152325	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	111691	5.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.20%
7) Chloroethane-d5	1.67	69	97112	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.27	63	188155	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.80%
20) 2-Butanone-d5	4.19	46	236199	40.53	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.06%
24) Chloroform-d	4.64	84	215635	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.80%
26) 1,2-Dichloroethane-d4	5.31	65	108866	3.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.00%
32) Benzene-d6	5.33	84	442090	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.20%
36) 1,2-Dichloropropane-d6	6.32	67	132480	3.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.00%
41) Toluene-d8	7.56	98	381266	3.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.00%
43) trans-1,3-Dichloropropene-	7.85	79	42574	3.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	63.40%
46) 2-Hexanone-d5	8.31	63	201442	39.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.80%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	105993	3.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	61.20%#
64) 1,2-Dichlorobenzene-d4	11.86	152	135867	3.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	64.80%#

Target Compounds

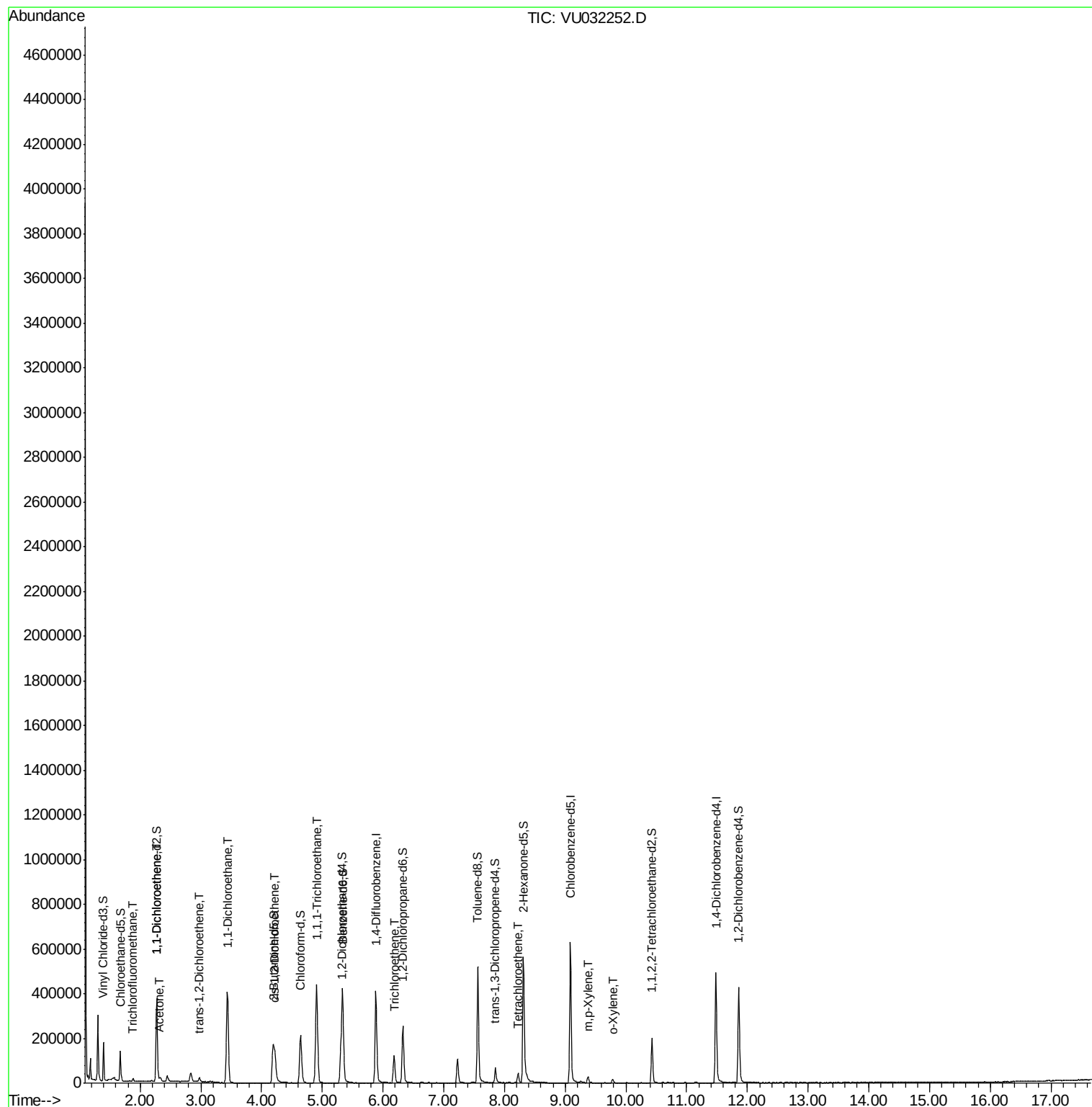
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.88	101	6427	0.311	ug/L	98
12) 1,1-Dichloroethene	2.28	96	40646	3.105	ug/L #	42
13) Acetone	2.32	43	12385	6.860	ug/L	97
18) trans-1,2-Dichloroethene	2.97	96	6957	0.495	ug/L	92
19) 1,1-Dichloroethane	3.44	63	445685	20.537	ug/L	97
22) cis-1,2-Dichloroethene	4.22	96	57210	4.171	ug/L	96
29) 1,1,1-Trichloroethane	4.91	97	347705	17.692	ug/L	98
34) Trichloroethene	6.18	95	44939	3.269	ug/L	96
47) Tetrachloroethene	8.22	164	11023	0.971	ug/L	84
53) m,p-Xylene	9.37	106	10364	0.509	ug/L	77
54) o-Xylene	9.78	106	5373	0.264	ug/L	92

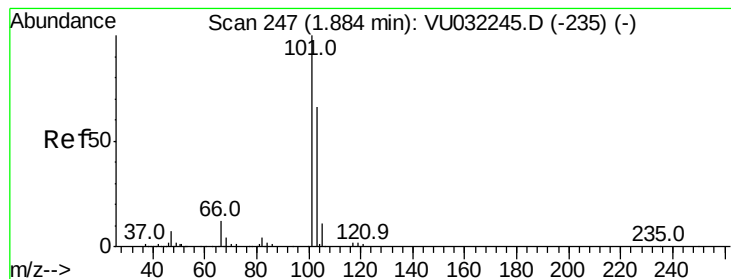
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Trichlorofluoromethane

Concen: 0.311 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU032252.D

Acq: 23 May 2019 04:18

Instrument :

MSVOA_U

ClientSampleId :

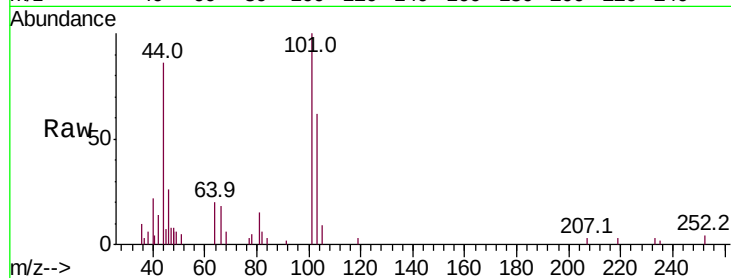
E3YF2

Tot Ion:101 Resp: 6427

Ion Ratio Lower Upper

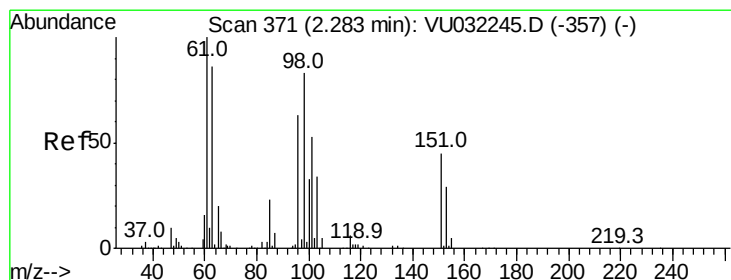
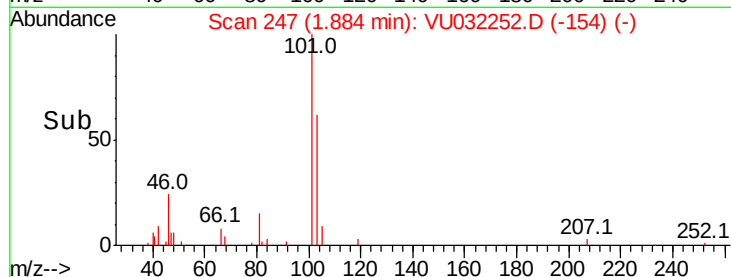
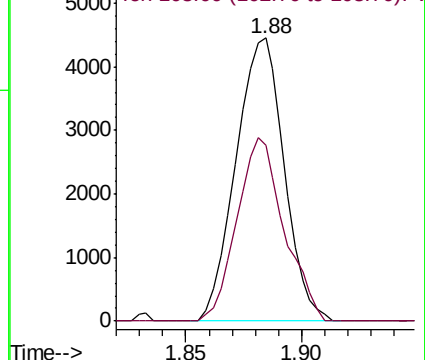
101 100

103 63.3 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: 3.105 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032252.D

Acq: 23 May 2019 04:18

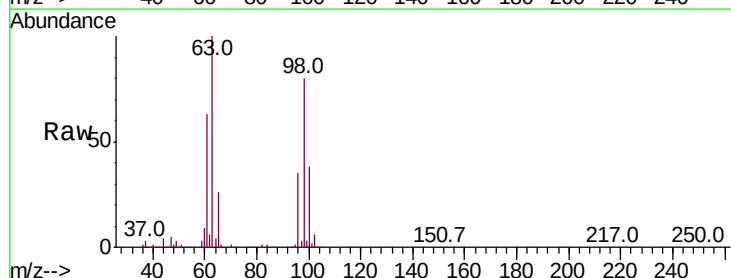
Tgt Ion: 96 Resp: 40646

Ion Ratio Lower Upper

96 100

61 182.7 113.8 211.3

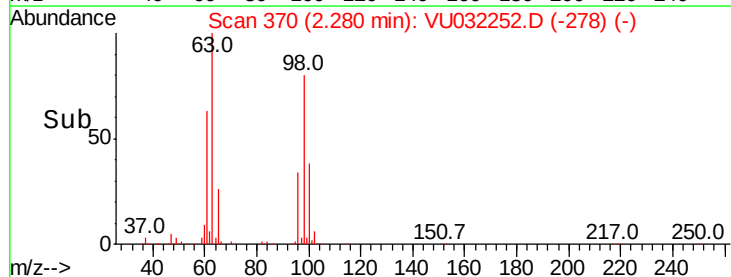
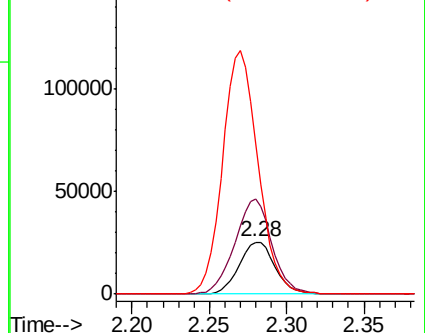
63 288.4 108.8 202.2#

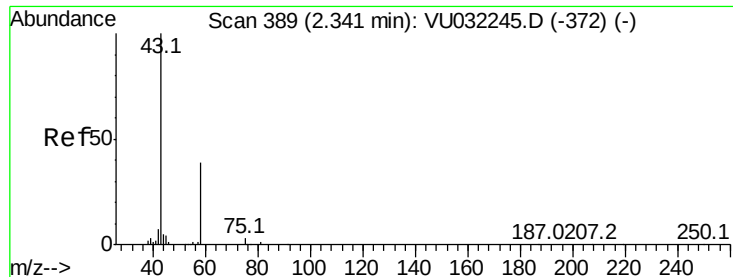


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.860 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU032252.D

Acq: 23 May 2019 04:18

Instrument :

MSVOA_U

ClientSampleId :

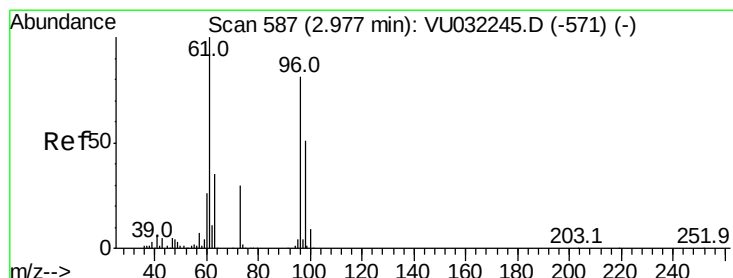
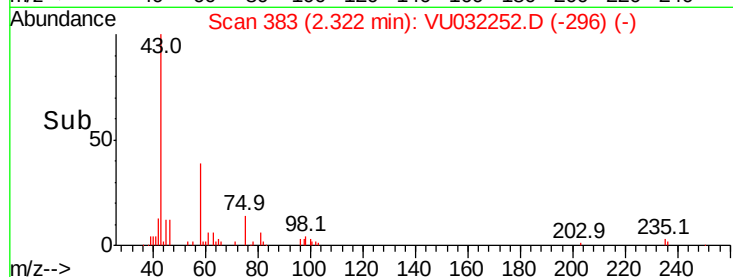
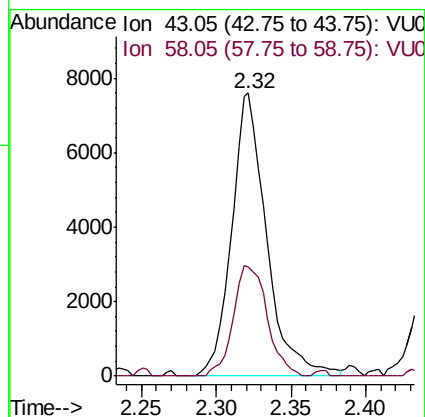
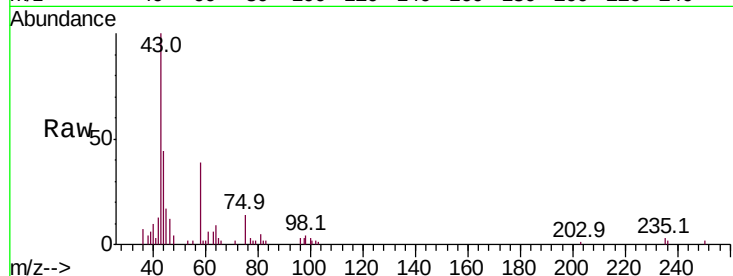
E3YF2

Tot Ion: 43 Resp: 12385

Ion Ratio Lower Upper

43 100

58 37.9 0.0 72.6



#18

trans-1,2-Dichloroethene

Concen: 0.495 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU032252.D

Acq: 23 May 2019 04:18

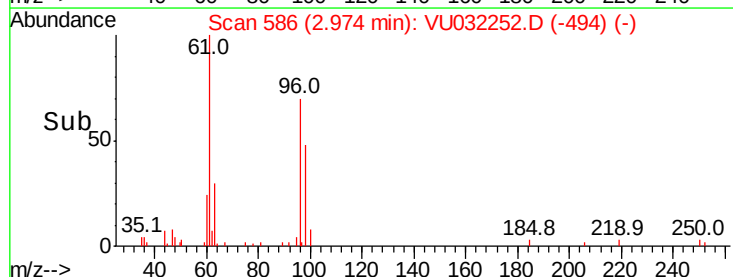
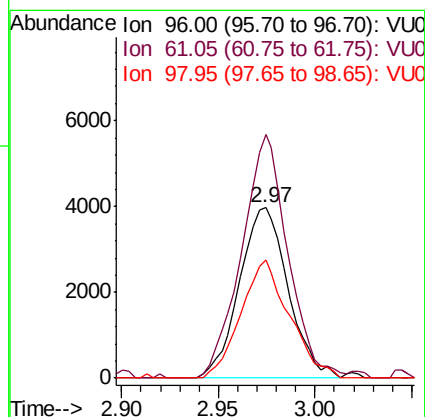
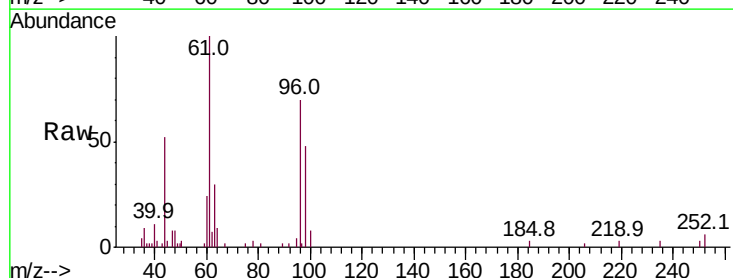
Tgt Ion: 96 Resp: 6957

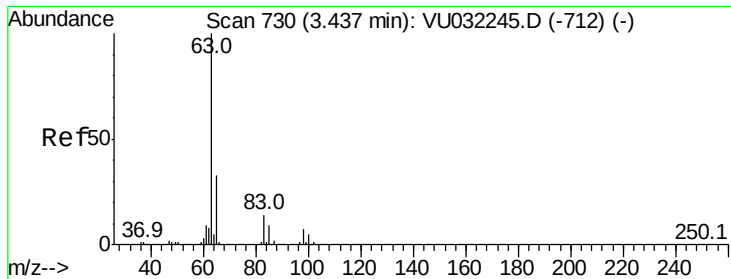
Ion Ratio Lower Upper

96 100

61 143.0 90.6 168.3

98 69.3 49.5 91.9





#19

1,1-Dichloroethane

Concen: 20.537 ug/L

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU032252.D

Acq: 23 May 2019 04:18

Instrument :

MSVOA_U

ClientSampleId :

E3YF2

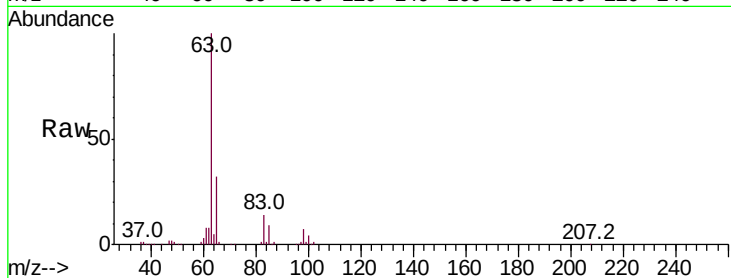
Tot Ion: 63 Resp: 445685

Ion Ratio Lower Upper

63 100

65 32.4 23.5 43.7

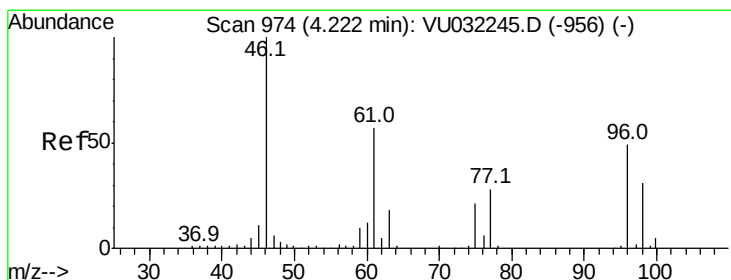
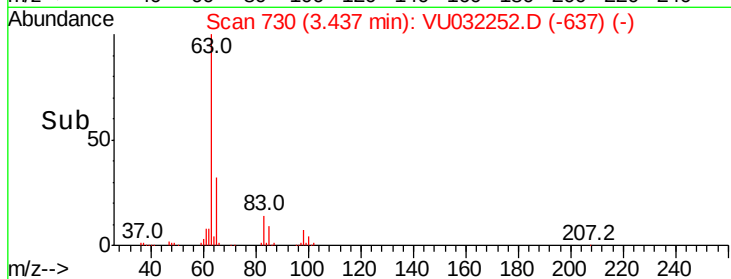
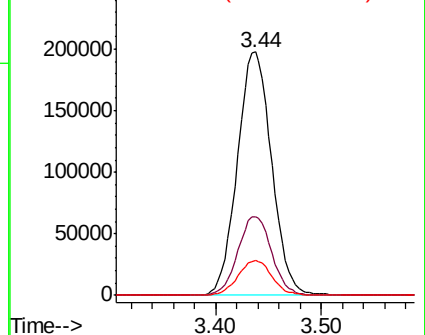
83 14.2 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



#22

cis-1,2-Dichloroethene

Concen: 4.171 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU032252.D

Acq: 23 May 2019 04:18

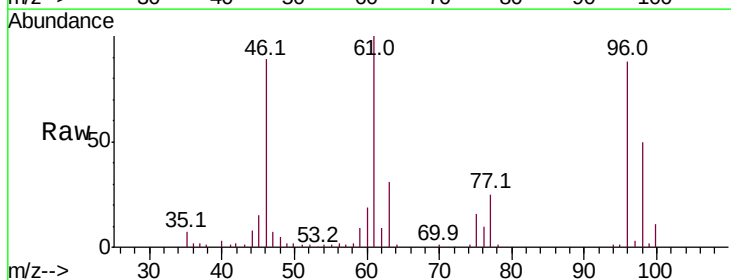
Tgt Ion: 96 Resp: 57210

Ion Ratio Lower Upper

96 100

61 113.3 82.5 153.1

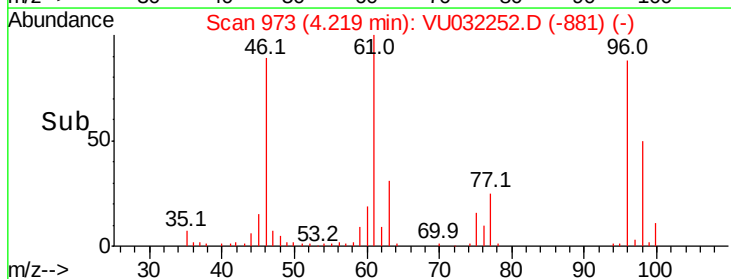
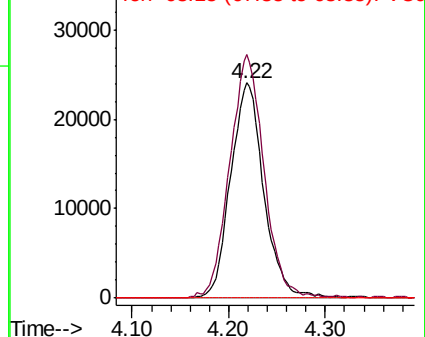
68 0.0 0.0 0.0

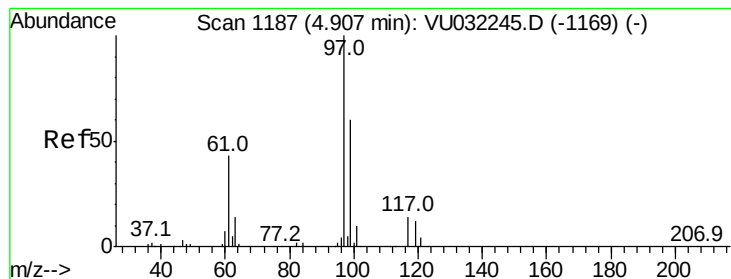


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0





#29

1,1,1-Trichloroethane

Concen: 17.692 ug/L

RT: 4.91 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VU032252.D

Acq: 23 May 2019 04:18

Instrument :

MSVOA_U

ClientSampleId :

E3YF2

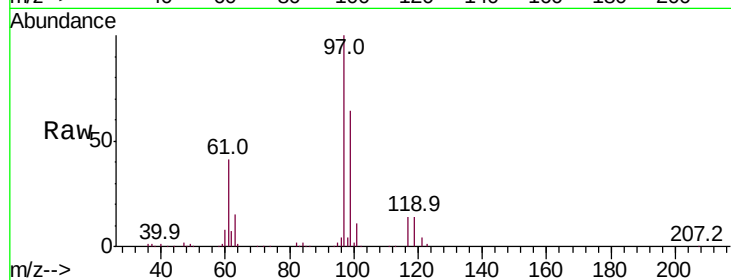
Tot Ion: 97 Resp: 347705

Ion Ratio Lower Upper

97 100

99 64.1 50.3 75.5

61 40.8 34.1 51.1

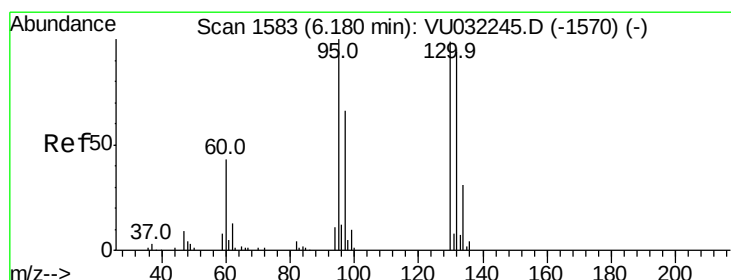
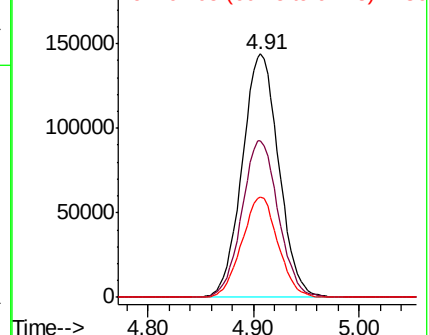
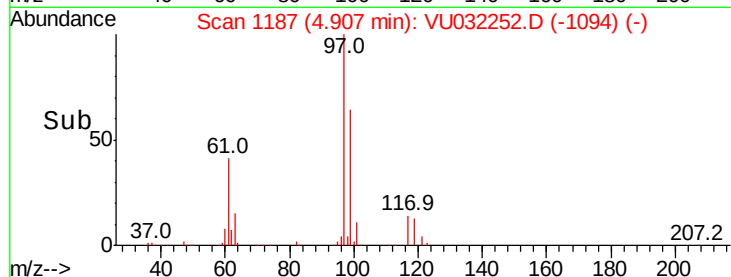


Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#34

Trichloroethene

Concen: 3.269 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU032252.D

Acq: 23 May 2019 04:18

Tgt Ion: 95 Resp: 44939

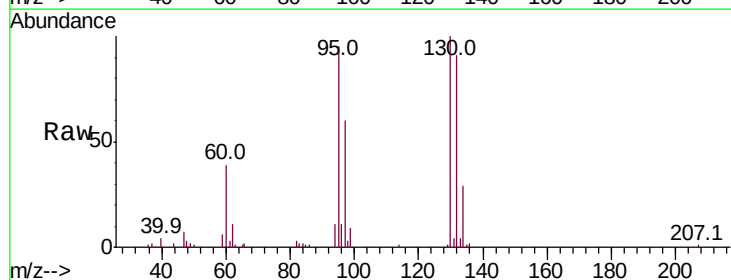
Ion Ratio Lower Upper

95 100

97 63.1 39.9 74.1

132 95.3 65.9 122.5

130 104.8 70.6 131.2



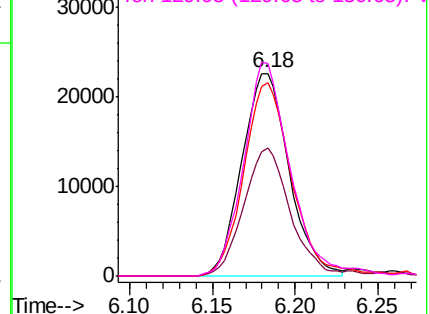
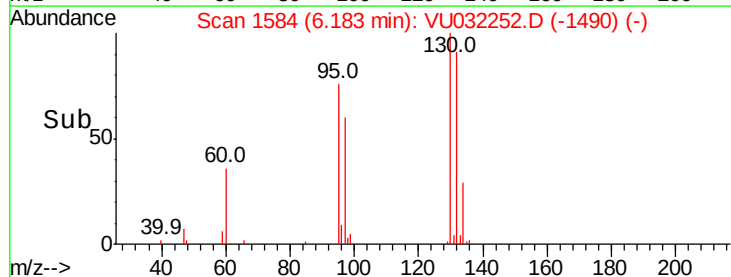
Abundance

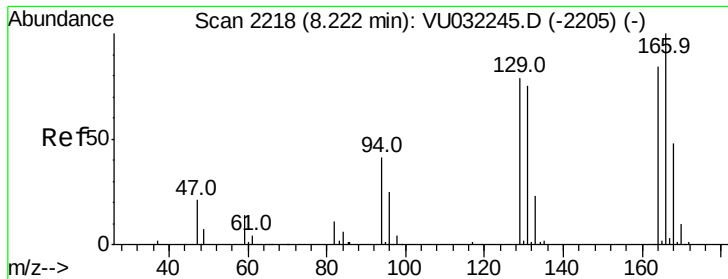
Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

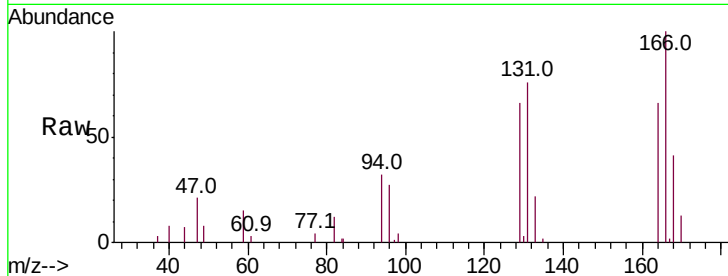




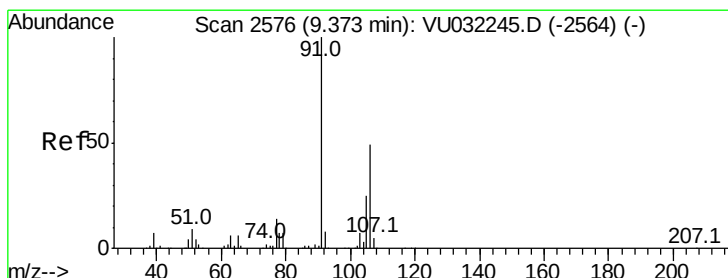
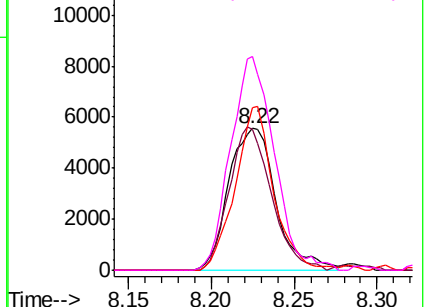
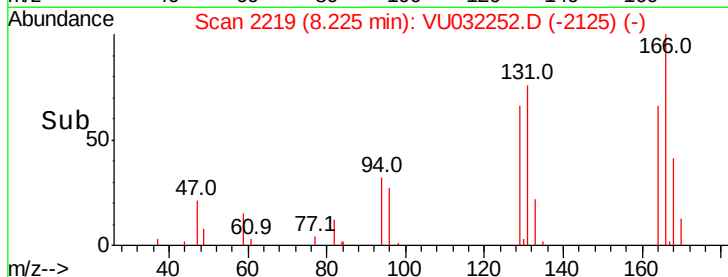
#47
Tetrachloroethene
Concen: 0.971 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU032252.D
Acq: 23 May 2019 04:18

Instrument :
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ClientSampleId :
E3YF2

Tot Ion:164 Resp: 11023
Ion Ratio Lower Upper
164 100
129 99.5 67.1 124.7
131 114.3 62.2 115.4
166 150.6 90.9 168.9

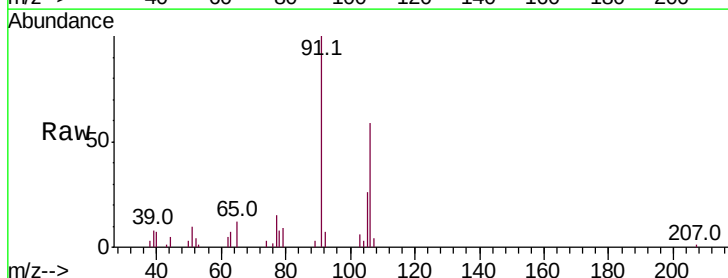


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

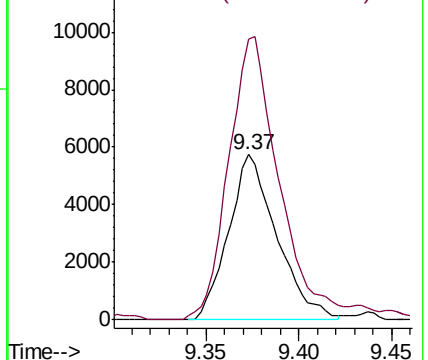
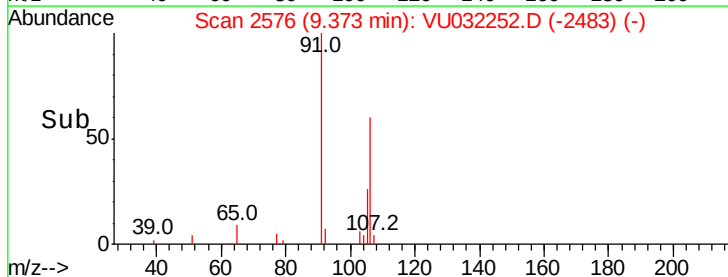


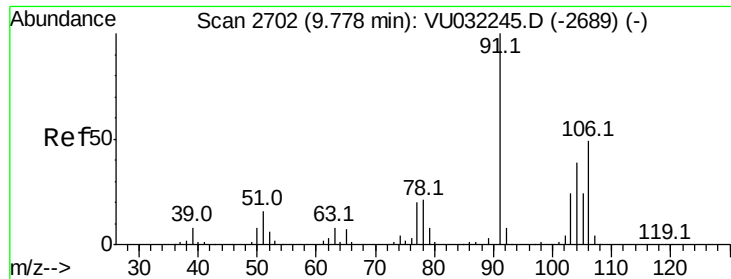
#53
m,p-Xylene
Concen: 0.509 ug/L
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU032252.D
Acq: 23 May 2019 04:18

Tgt Ion:106 Resp: 10364
Ion Ratio Lower Upper
106 100
91 169.8 143.9 267.2



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): V





#54
o-Xylene
Concen: 0.264 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.00 min
Lab File: VU032252.D
Acq: 23 May 2019 04:18

Instrument :
MSVOA_U
ClientSampleId :
E3YF2

Tot Ion:106 Resp: 5373
Ion Ratio Lower Upper
106 100
91 198.9 147.8 274.4

