

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052219\
 Data File : VU032249.D
 Acq On : 23 May 2019 03:04
 Operator : JC/SP
 Sample : K3001-04MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YF0

Quant Time: May 23 04:02:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 23 03:43:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	384831	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	389031	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	158409	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	112570	5.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.20%
7) Chloroethane-d5	1.67	69	100048	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.27	63	230147	5.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	115.60%
20) 2-Butanone-d5	4.19	46	247236	40.56	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.12%
24) Chloroform-d	4.64	84	212800	3.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.00%
26) 1,2-Dichloroethane-d4	5.31	65	107690	3.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.60%
32) Benzene-d6	5.33	84	454157	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.20%
36) 1,2-Dichloropropane-d6	6.32	67	131446	3.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	73.20%
41) Toluene-d8	7.56	98	390433	3.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.80%
43) trans-1,3-Dichloropropene-	7.85	79	45266	3.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	65.60%
46) 2-Hexanone-d5	8.31	63	211433	40.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.52%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	105929	2.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	59.40%#
64) 1,2-Dichlorobenzene-d4	11.86	152	140982	3.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	64.60%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.88	101	7116	0.330	ug/L	97
12) 1,1-Dichloroethene	2.28	96	131599	9.609	ug/L	79
13) Acetone	2.32	43	9689	5.130	ug/L	99
18) trans-1,2-Dichloroethene	2.97	96	4842	0.329	ug/L	93
19) 1,1-Dichloroethane	3.44	63	160098	7.052	ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	24404	1.701	ug/L	95
29) 1,1,1-Trichloroethane	4.90	97	128862	6.382	ug/L	98
33) Benzene	5.38	78	497202	9.448	ug/L	100
34) Trichloroethene	6.18	95	158645	11.232	ug/L	92
42) Toluene	7.63	91	531061	9.498	ug/L	97
47) Tetrachloroethene	8.22	164	8912	0.764	ug/L	94
51) Chlorobenzene	9.12	112	355493	9.934	ug/L	98
52) Ethylbenzene	9.25	91	7812	0.139	ug/L #	83
53) m,p-Xylene	9.37	106	15858	0.758	ug/L	91
54) o-Xylene	9.78	106	9754	0.466	ug/L	85

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 23 03:43:40 2019
Response via : Initial Calibration

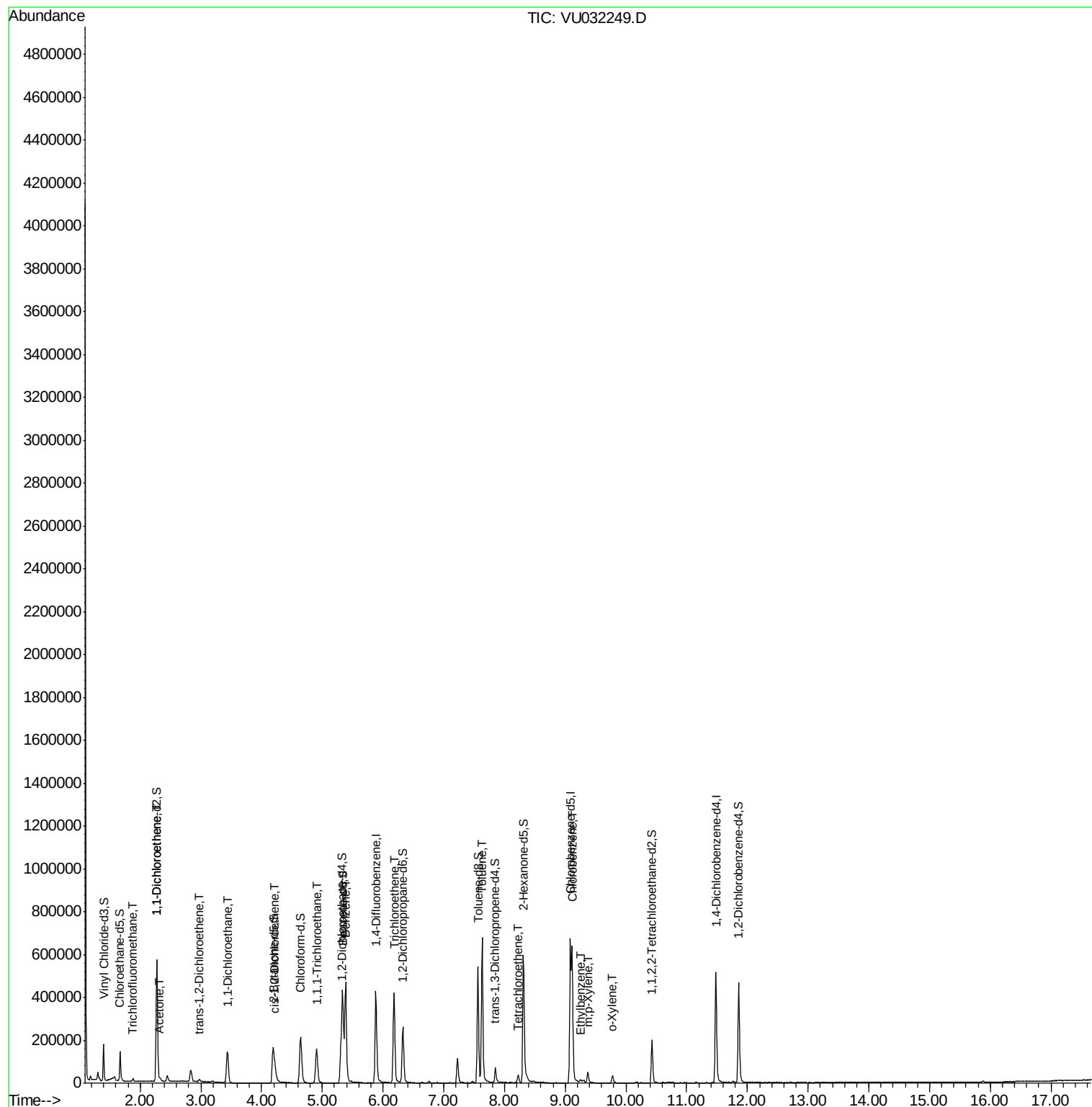
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

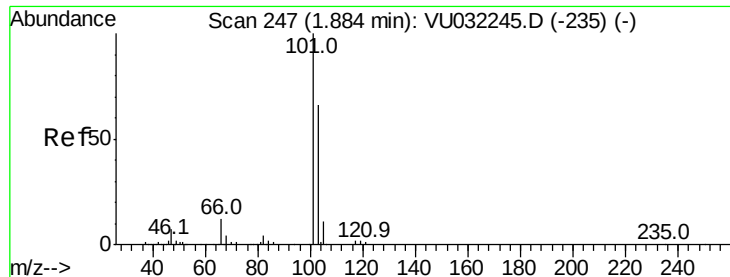
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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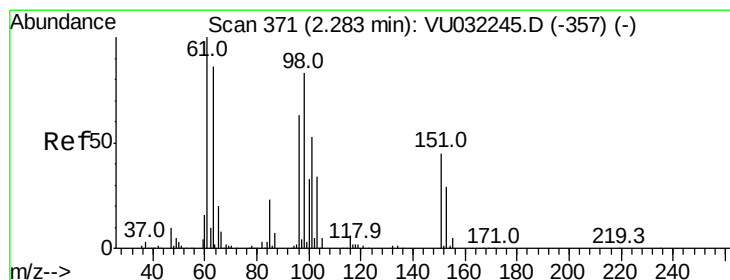
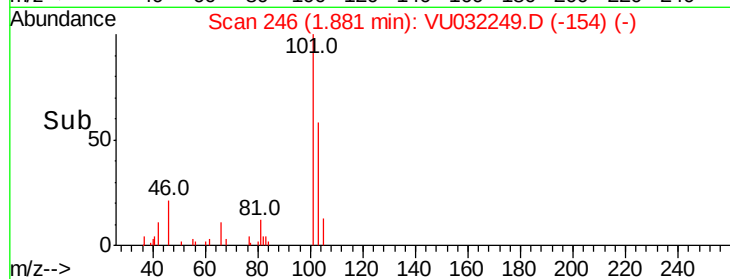
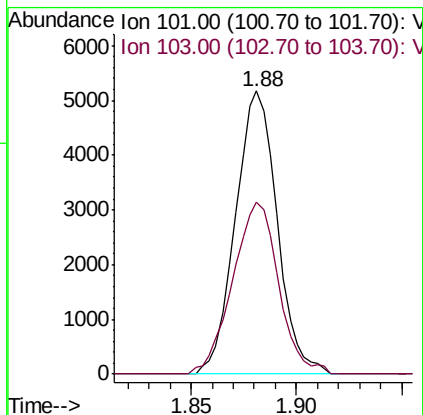
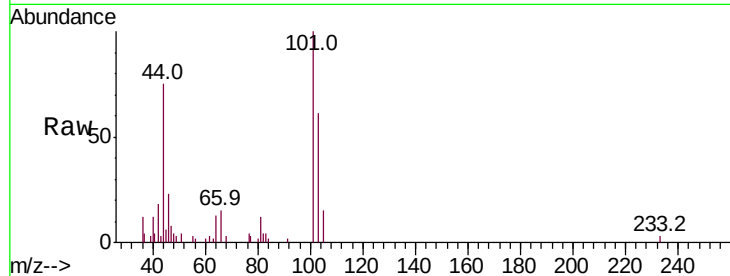


#9

Trichlorofluoromethane
 Concen: 0.330 ug/L
 RT: 1.88 min Scan# 246
 Delta R.T. -0.00 min
 Lab File: VU032249.D
 Acq: 23 May 2019 03:04

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YF0

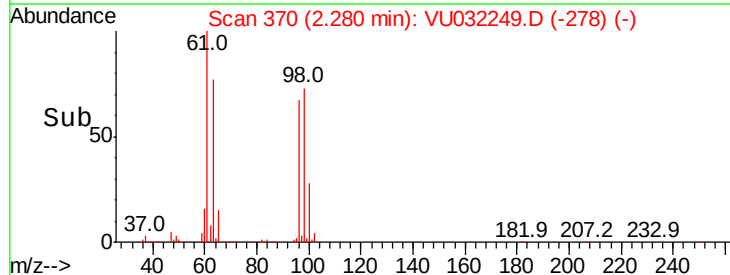
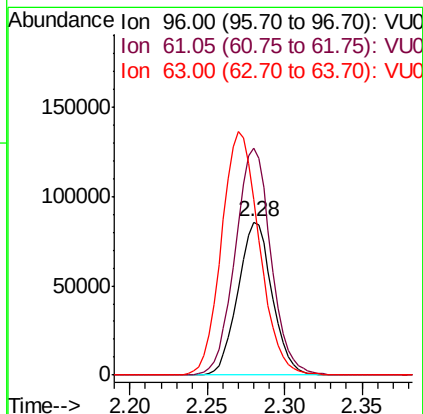
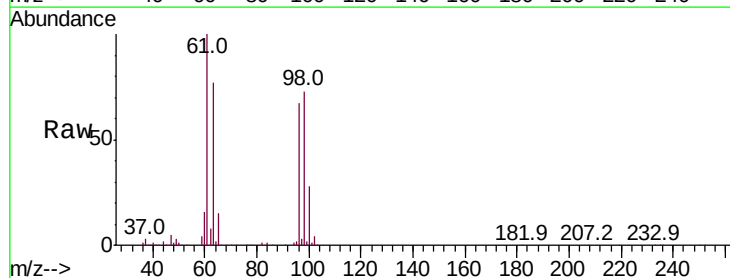
Tot Ion:101 Resp: 7116
 Ion Ratio Lower Upper
 101 100
 103 67.0 51.9 77.9

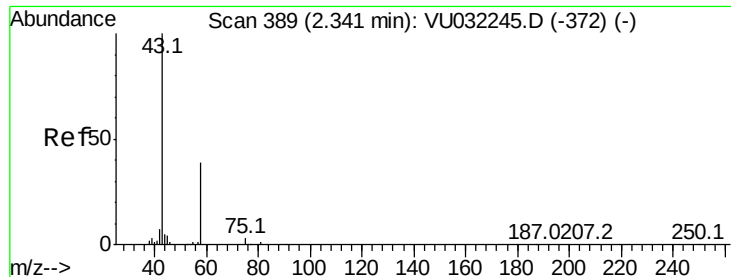


#12

1,1-Dichloroethene
 Concen: 9.609 ug/L
 RT: 2.28 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VU032249.D
 Acq: 23 May 2019 03:04

Tgt Ion: 96 Resp: 131599
 Ion Ratio Lower Upper
 96 100
 61 148.5 113.8 211.3
 63 114.3 108.8 202.2





#13

Acetone

Concen: 5.130 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU032249.D

Acq: 23 May 2019 03:04

Instrument :

MSVOA_U

ClientSampleId :

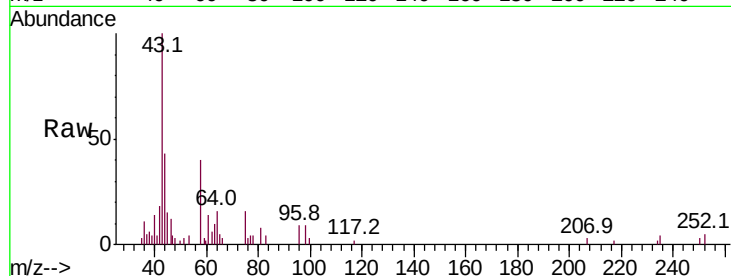
E3YF0

Tot Ion: 43 Resp: 9689

Ion Ratio Lower Upper

43 100

58 36.8 0.0 72.6



Abundance Ion 43.05 (42.75 to 43.75): VU032245.D (-372) (-)

Ion 58.05 (57.75 to 58.75): VU032245.D (-372) (-)

2.32

6000

4000

2000

0

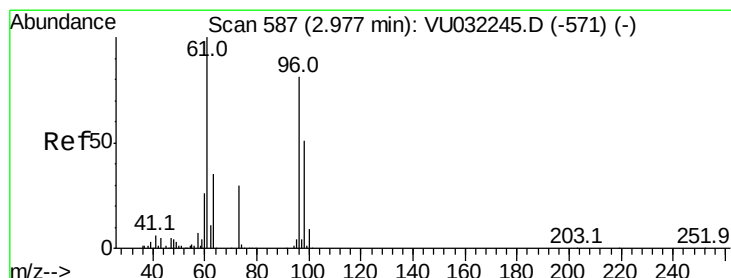
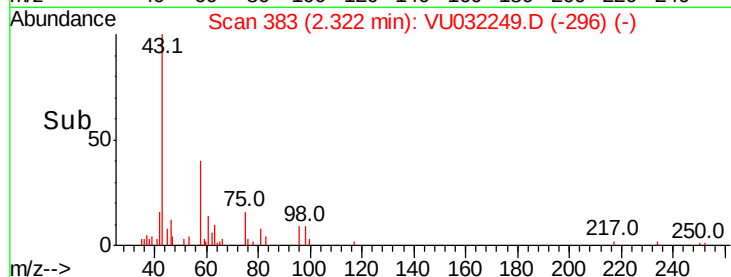
Time-->

2.25

2.30

2.35

2.40



#18

trans-1,2-Dichloroethene

Concen: 0.329 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU032249.D

Acq: 23 May 2019 03:04

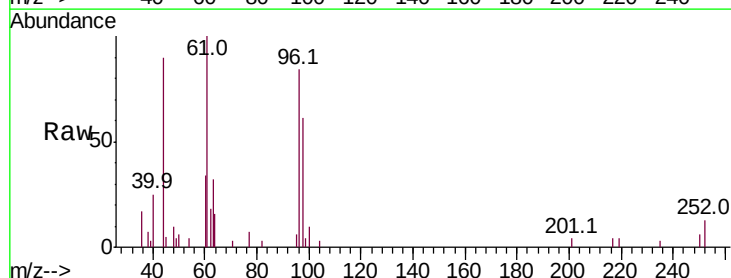
Tgt Ion: 96 Resp: 4842

Ion Ratio Lower Upper

96 100

61 118.6 90.6 168.3

98 72.5 49.5 91.9



Abundance Ion 96.00 (95.70 to 96.70): VU032245.D (-571) (-)

Ion 61.05 (60.75 to 61.75): VU032245.D (-571) (-)

Ion 97.95 (97.65 to 98.65): VU032245.D (-571) (-)

2.97

4000

3000

2000

1000

0

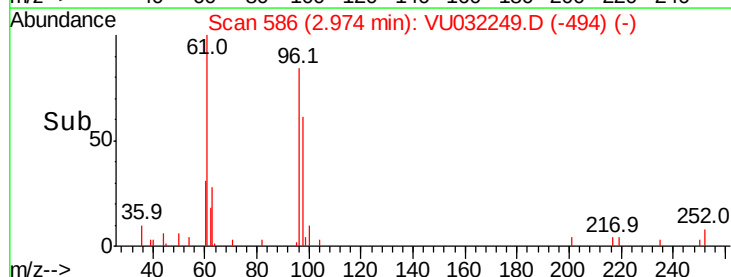
Time-->

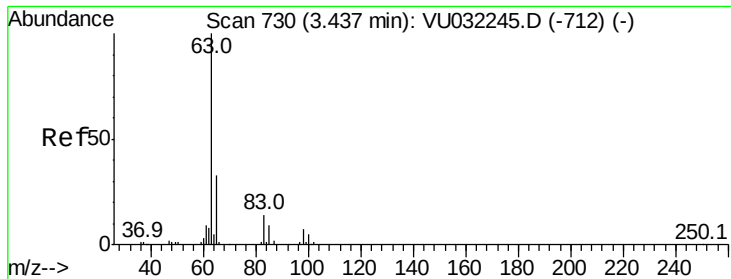
2.90

2.95

3.00

3.05





#19

1,1-Dichloroethane

Concen: 7.052 ug/L

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU032249.D

Acq: 23 May 2019 03:04

Instrument :

MSVOA_U

ClientSampleId :

E3YF0

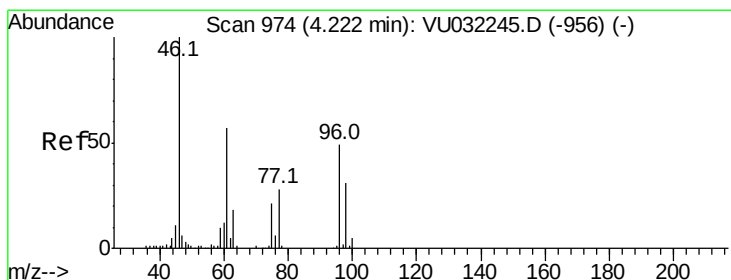
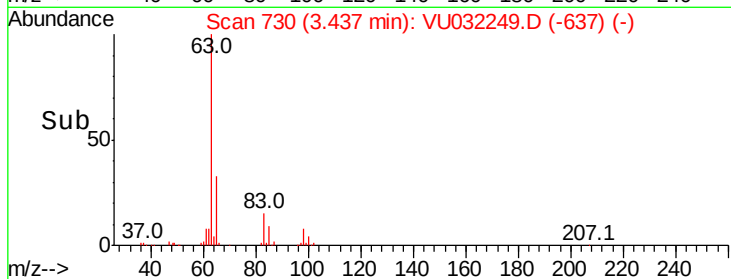
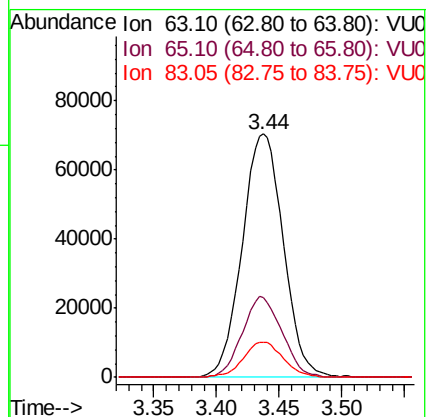
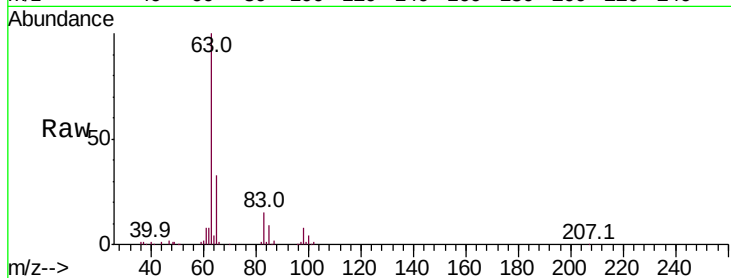
Tot Ion: 63 Resp: 160098

Ion Ratio Lower Upper

63 100

65 32.9 23.5 43.7

83 14.6 8.8 16.3



#22

cis-1,2-Dichloroethene

Concen: 1.701 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU032249.D

Acq: 23 May 2019 03:04

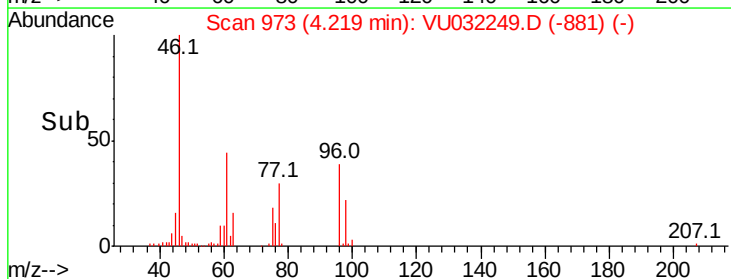
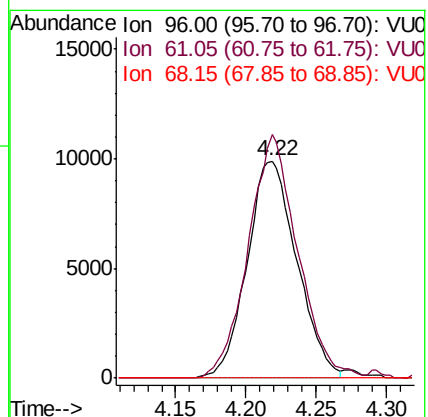
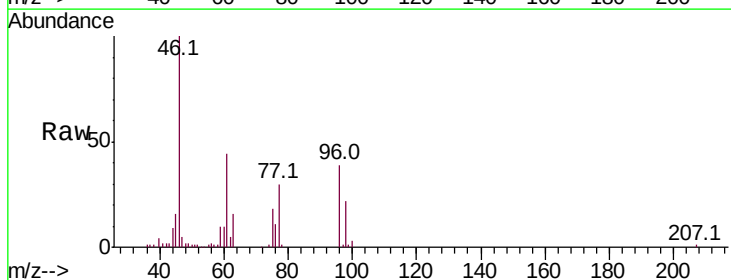
Tgt Ion: 96 Resp: 24404

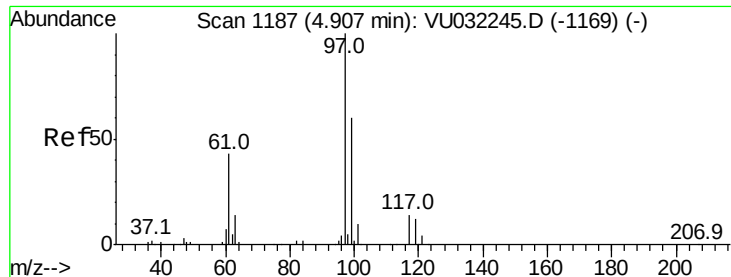
Ion Ratio Lower Upper

96 100

61 112.2 82.5 153.1

68 0.0 0.0 0.0





#29

1,1,1-Trichloroethane

Concen: 6.382 ug/L

RT: 4.90 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VU032249.D

Acq: 23 May 2019 03:04

Instrument :

MSVOA_U

ClientSampleId :

E3YF0

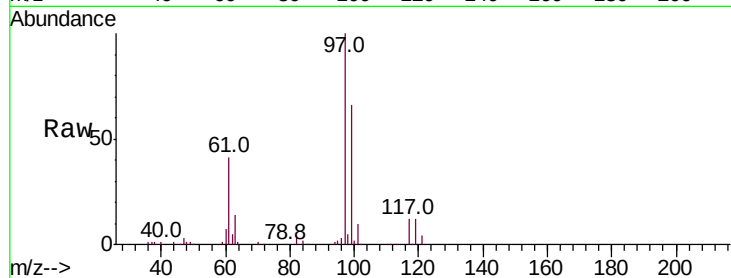
Tot Ion: 97 Resp: 128862

Ion Ratio Lower Upper

97 100

99 65.2 50.3 75.5

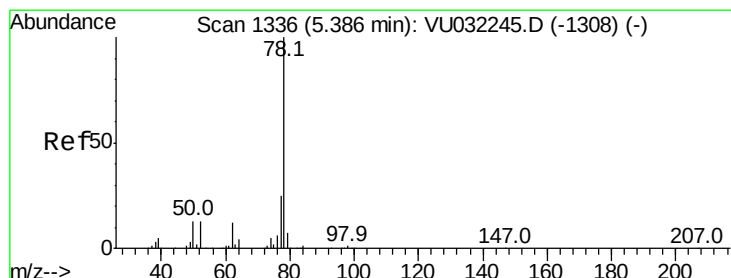
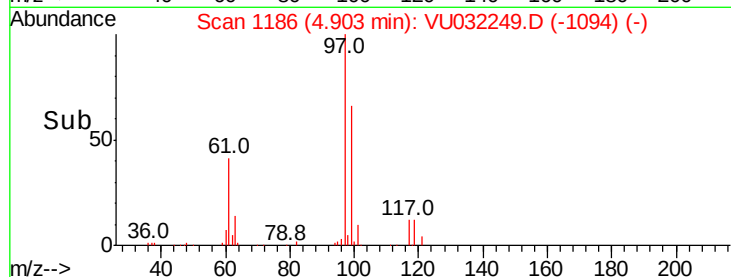
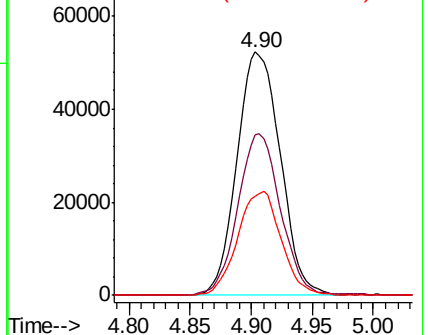
61 42.7 34.1 51.1



Abundance Ion 96.95 (96.65 to 97.65): VU032249.D (-1169) (-)

Ion 99.05 (98.75 to 99.75): VU032249.D (-1169) (-)

Ion 61.05 (60.75 to 61.75): VU032249.D (-1169) (-)



#33

Benzene

Concen: 9.448 ug/L

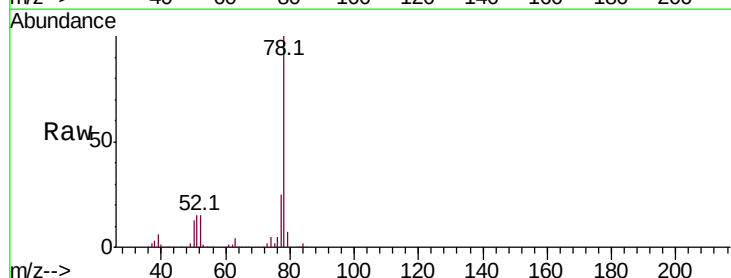
RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

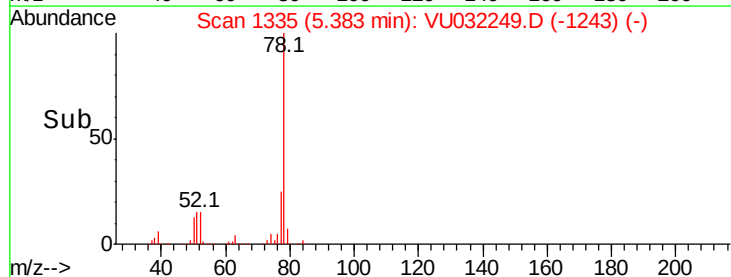
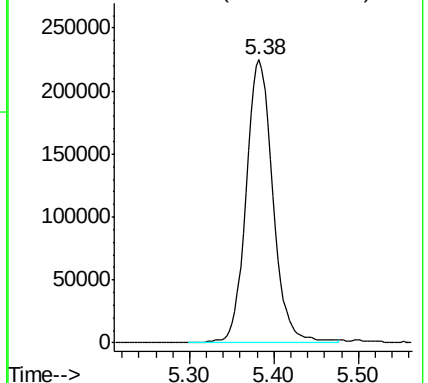
Lab File: VU032249.D

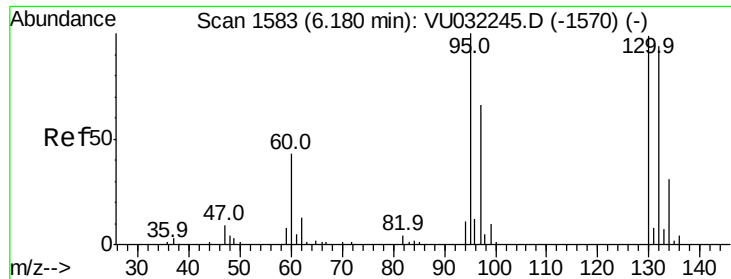
Acq: 23 May 2019 03:04

Tgt Ion: 78 Resp: 497202



Abundance Ion 78.10 (77.80 to 78.80): VU032249.D (-1308) (-)





#34

Trichloroethene

Concen: 11.232 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032249.D

Acq: 23 May 2019 03:04

Instrument :

MSVOA_U

ClientSampleId :

E3YF0

Tot Ion: 95 Resp: 158645

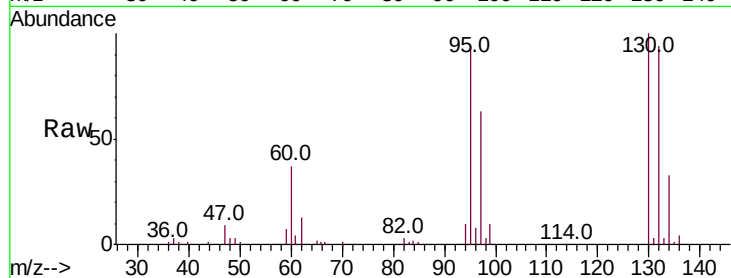
Ion Ratio Lower Upper

95 100

97 67.5 39.9 74.1

132 99.8 65.9 122.5

130 106.3 70.6 131.2

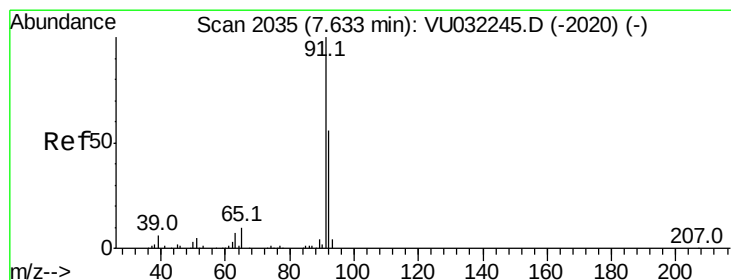
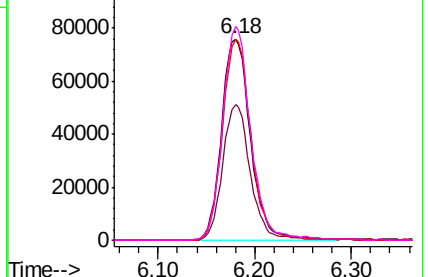
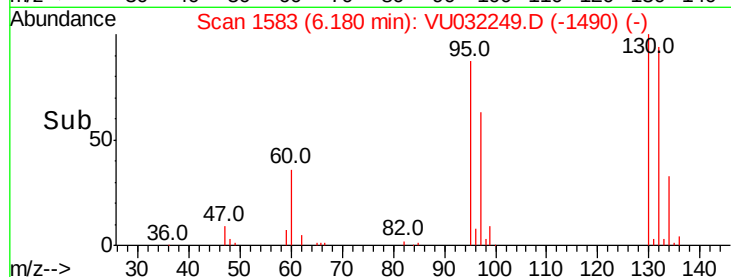


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#42

Toluene

Concen: 9.498 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU032249.D

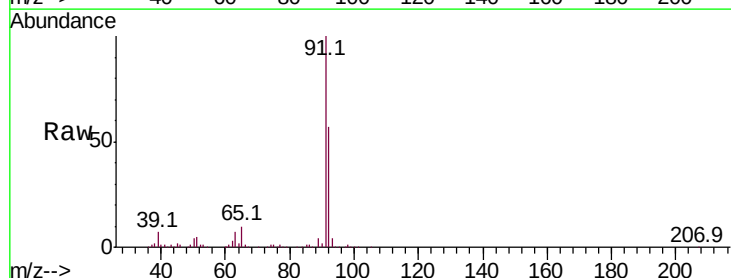
Acq: 23 May 2019 03:04

Tgt Ion: 91 Resp: 531061

Ion Ratio Lower Upper

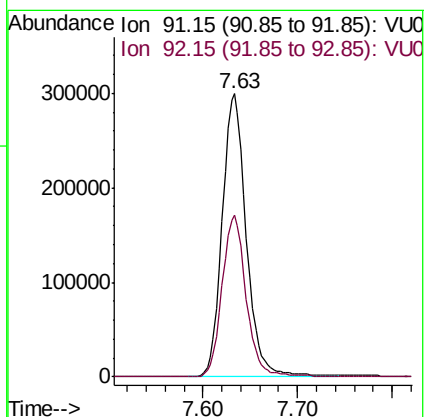
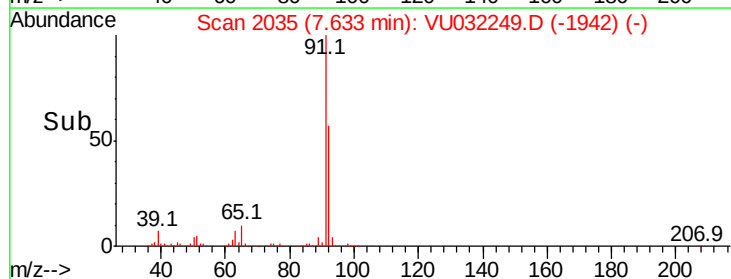
91 100

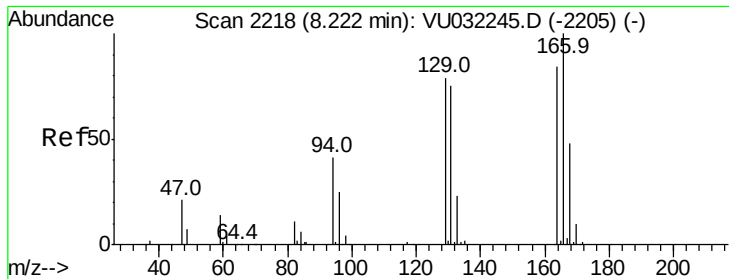
92 57.0 38.5 71.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0





#47

Tetrachloroethene

Concen: 0.764 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU032249.D

Acq: 23 May 2019 03:04

Instrument :

MSVOA_U

ClientSampleId :

E3YF0

Tot Ion:164 Resp: 8912

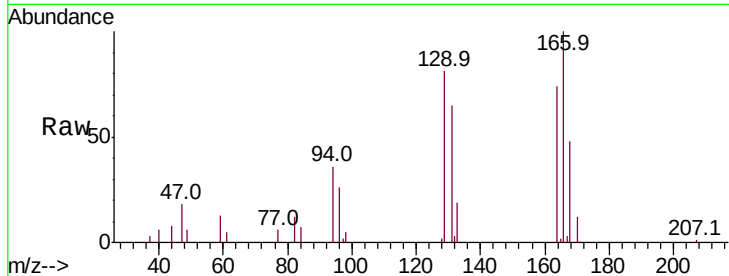
Ion Ratio Lower Upper

164 100

129 109.5 67.1 124.7

131 88.6 62.2 115.4

166 135.7 90.9 168.9

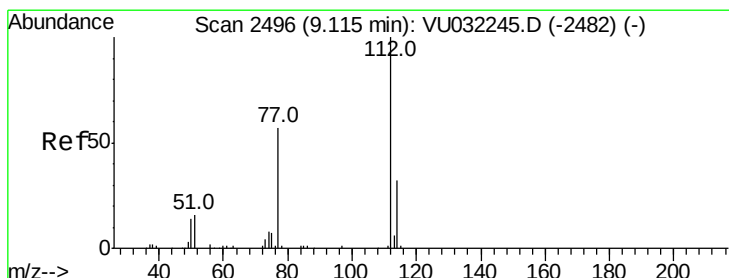
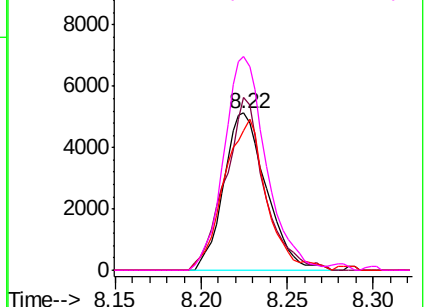
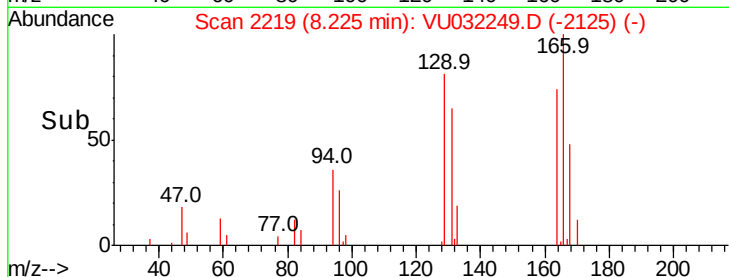


Abundance Ion 163.90 (163.60 to 164.60): V

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



#51

Chlorobenzene

Concen: 9.934 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU032249.D

Acq: 23 May 2019 03:04

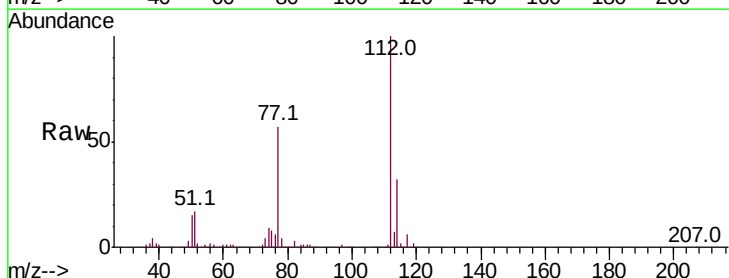
Tgt Ion:112 Resp: 355493

Ion Ratio Lower Upper

112 100

114 32.5 22.6 42.0

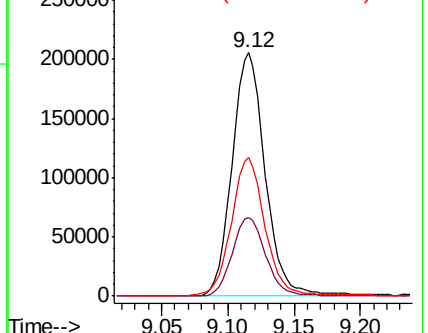
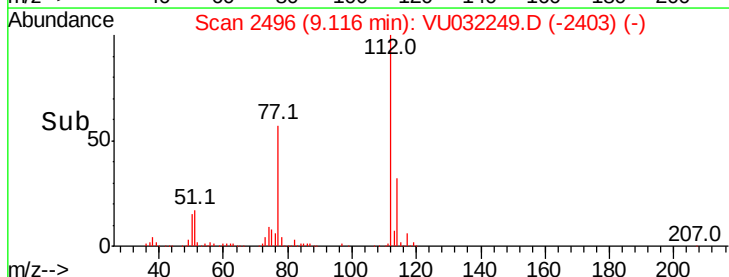
77 56.8 46.8 70.2

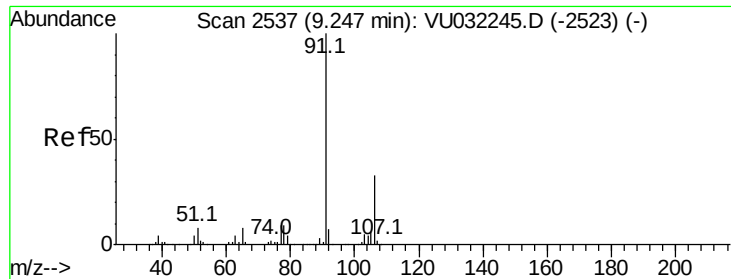


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 0.139 ug/L

RT: 9.25 min Scan# 2539

Delta R.T. 0.01 min

Lab File: VU032249.D

Acq: 23 May 2019 03:04

Instrument :

MSVOA_U

ClientSampleId :

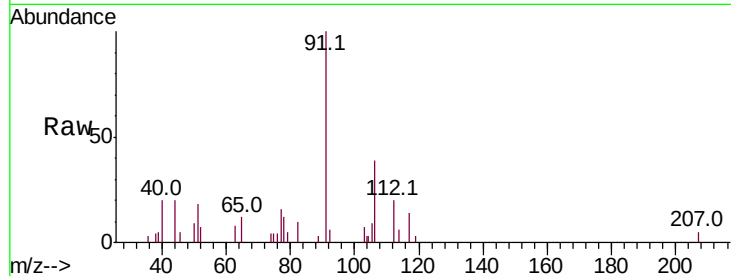
E3YF0

Tot Ion: 91 Resp: 7812

Ion Ratio Lower Upper

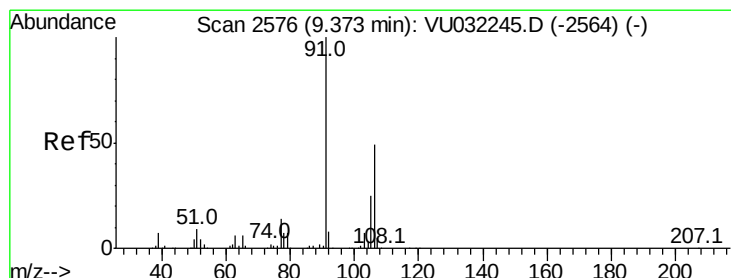
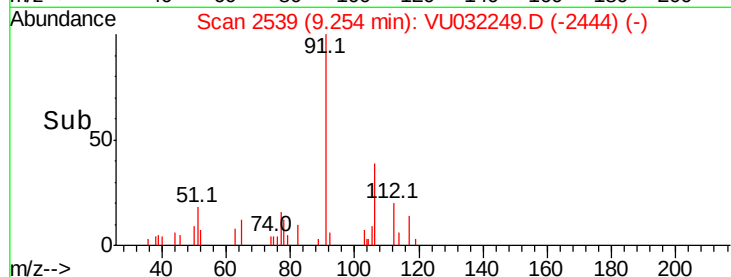
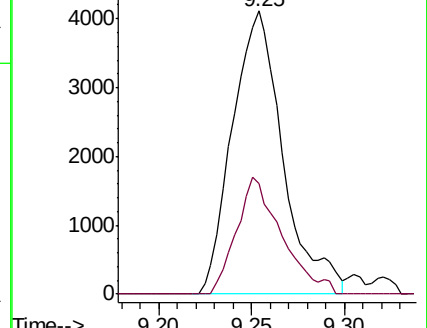
91 100

106 39.2 20.9 38.9#



Abundance Ion 91.15 (90.85 to 91.85): VU032249.D (-2444) (-)

Ion 106.15 (105.85 to 106.85): VU032249.D (-2444) (-)



#53

m,p-Xylene

Concen: 0.758 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU032249.D

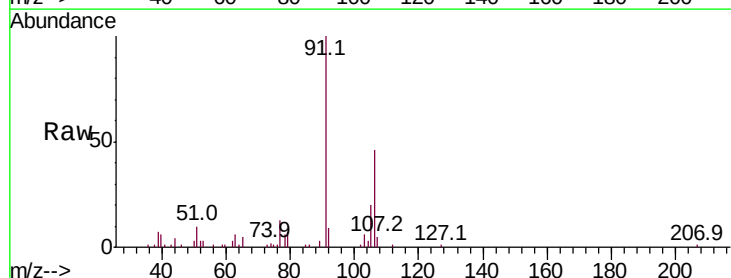
Acq: 23 May 2019 03:04

Tgt Ion: 106 Resp: 15858

Ion Ratio Lower Upper

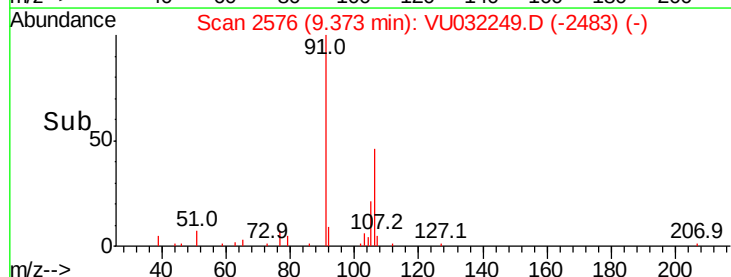
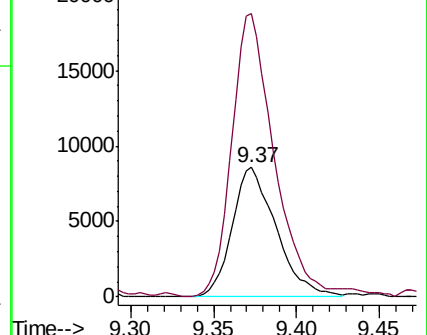
106 100

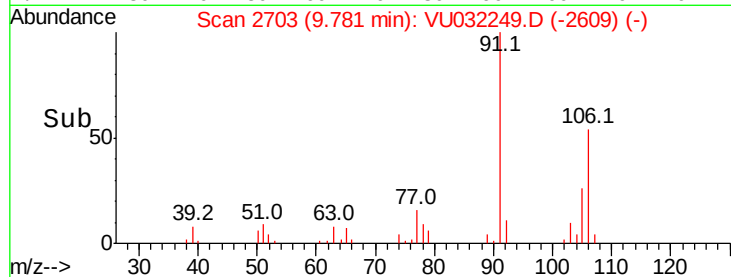
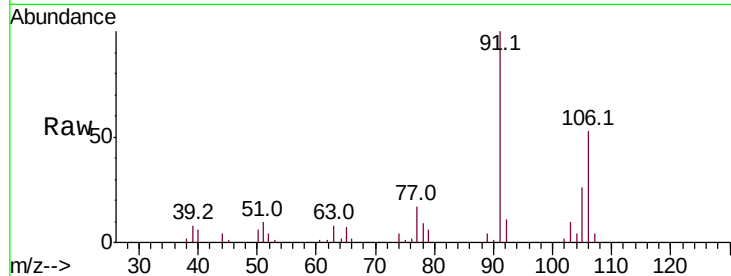
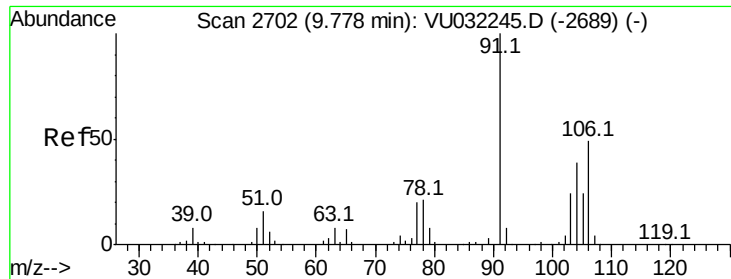
91 218.6 143.9 267.2



Abundance Ion 106.15 (105.85 to 106.85): VU032249.D (-2483) (-)

Ion 91.15 (90.85 to 91.85): VU032249.D (-2483) (-)





#54
o-Xylene
Concen: 0.466 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.00 min
Lab File: VU032249.D
Acq: 23 May 2019 03:04

Instrument :
MSVOA_U
ClientSampleId :
E3YF0

Tot Ion:106 Resp: 9754
Ion Ratio Lower Upper
106 100
91 188.4 147.8 274.4

