

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052219\
 Data File : VU032250.D
 Acq On : 23 May 2019 03:29
 Operator : JC/SP
 Sample : K3001-05MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YF0

Quant Time: May 23 04:05:08 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	375768	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	385501	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	154755	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	113504	5.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.60%
7) Chloroethane-d5	1.67	69	98009	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.60%
11) 1,1-Dichloroethene-d2	2.27	63	227388	5.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	117.00%
20) 2-Butanone-d5	4.19	46	238979	40.15	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.30%
24) Chloroform-d	4.64	84	214629	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.60%
26) 1,2-Dichloroethane-d4	5.31	65	106061	3.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.20%
32) Benzene-d6	5.33	84	455006	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.20%
36) 1,2-Dichloropropane-d6	6.32	67	134251	3.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	75.60%
41) Toluene-d8	7.56	98	386842	3.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.80%
43) trans-1,3-Dichloropropene-	7.85	79	46662	3.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.40%
46) 2-Hexanone-d5	8.31	63	205630	40.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.02%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	105901	3.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	60.00%#
64) 1,2-Dichlorobenzene-d4	11.86	152	139423	3.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	65.40%#

Target Compounds

					Ovalue
9) Trichlorofluoromethane	1.88	101	6290	0.298	ug/L 86
12) 1,1-Dichloroethene	2.28	96	130164	9.734	ug/L 77
13) Acetone	2.32	43	12693	6.882	ug/L 98
18) trans-1,2-Dichloroethene	2.97	96	4825	0.336	ug/L 86
19) 1,1-Dichloroethane	3.44	63	159860	7.211	ug/L 99
22) cis-1,2-Dichloroethene	4.22	96	24196	1.727	ug/L 95
29) 1,1,1-Trichloroethane	4.91	97	128765	6.435	ug/L 99
33) Benzene	5.38	78	502051	9.628	ug/L 100
34) Trichloroethene	6.18	95	156207	11.161	ug/L 96
42) Toluene	7.63	91	536168	9.677	ug/L 98
47) Tetrachloroethene	8.22	164	8407	0.728	ug/L 96
51) Chlorobenzene	9.12	112	357963	10.094	ug/L 98
52) Ethylbenzene	9.25	91	8815	0.158	ug/L 89
53) m,p-Xylene	9.37	106	15594	0.752	ug/L 97
54) o-Xylene	9.78	106	10014	0.483	ug/L 72

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

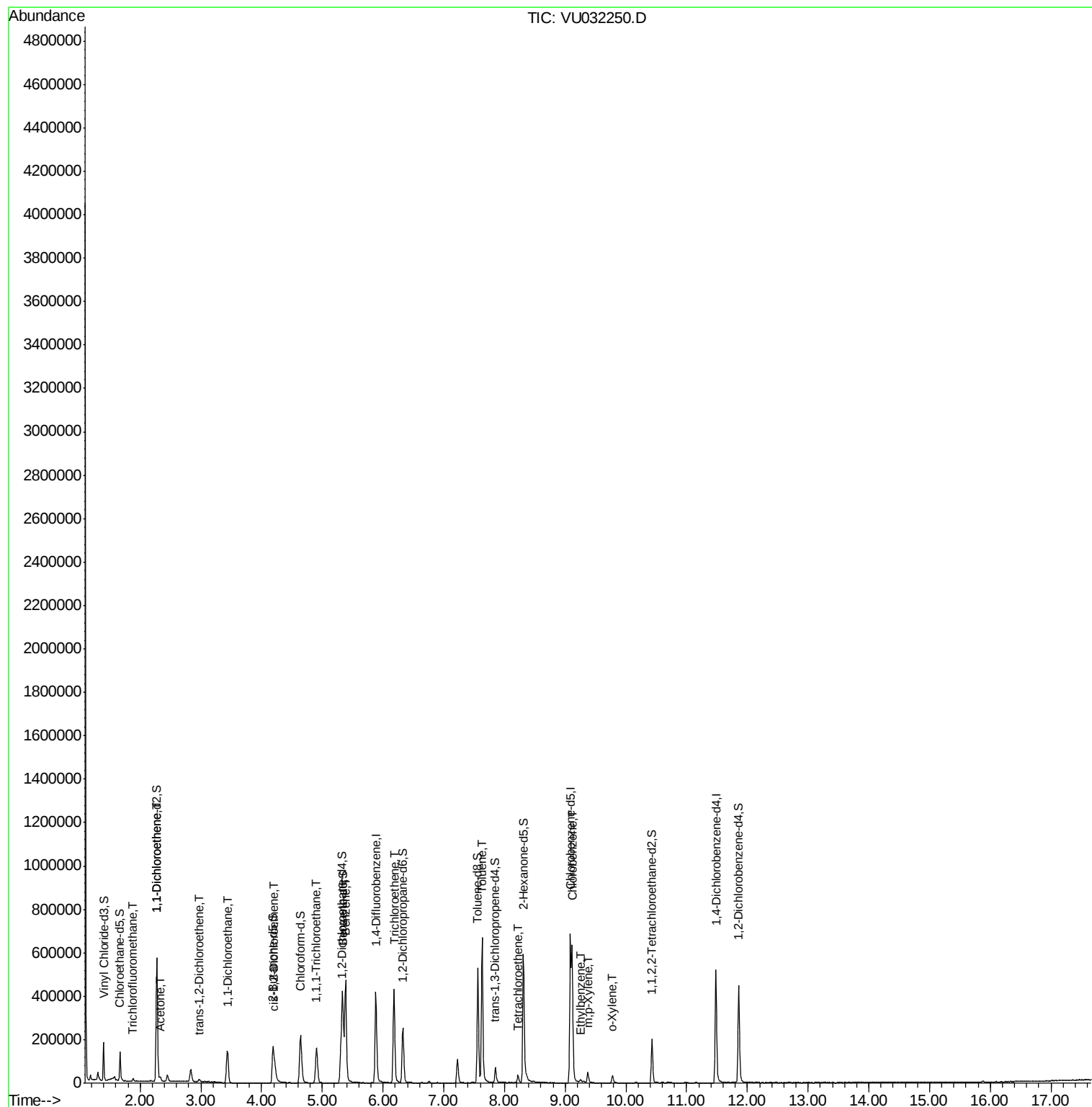
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

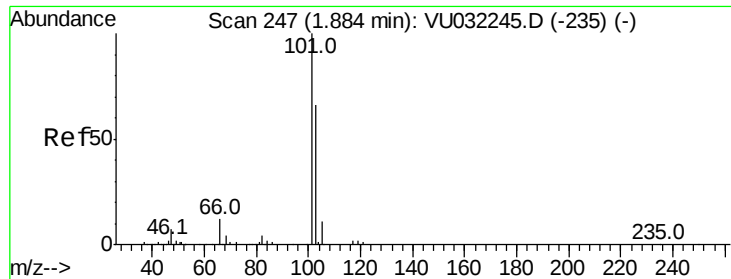
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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QLast Update : Thu May 23 03:43:40 2019
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 0.298 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU032250.D

Acq: 23 May 2019 03:29

Instrument :

MSVOA_U

ClientSampleId :

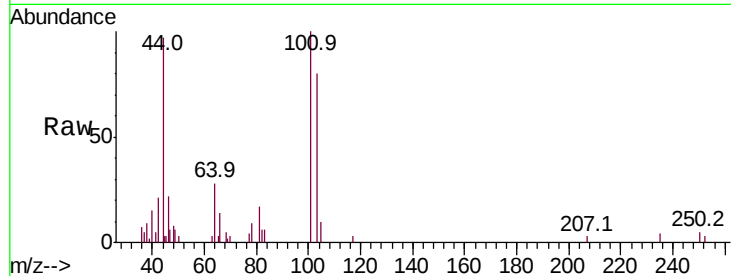
E3YF0

Tot Ion:101 Resp: 6290

Ion Ratio Lower Upper

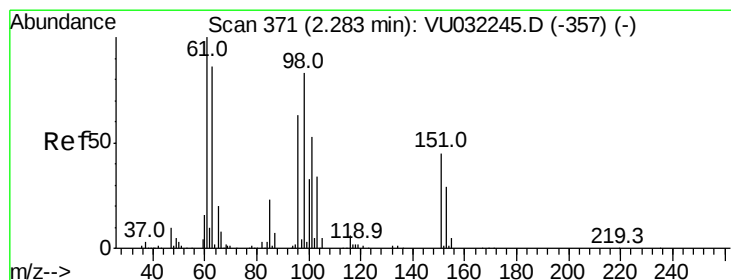
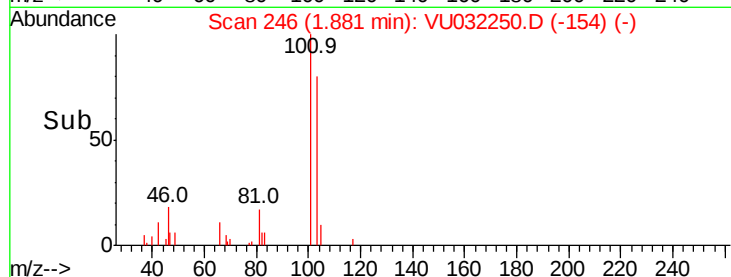
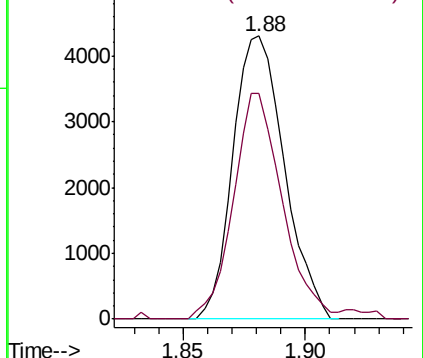
101 100

103 75.9 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: 9.734 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032250.D

Acq: 23 May 2019 03:29

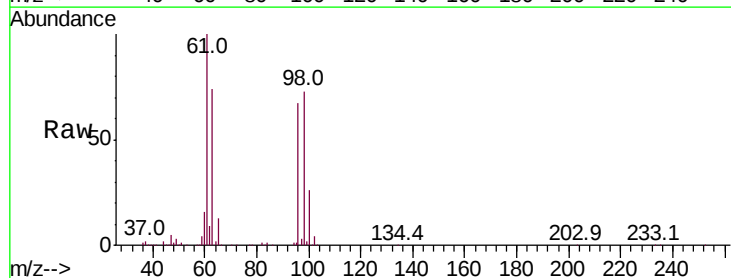
Tgt Ion: 96 Resp: 130164

Ion Ratio Lower Upper

96 100

61 148.3 113.8 211.3

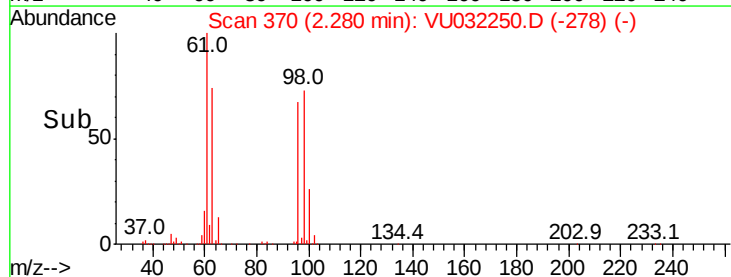
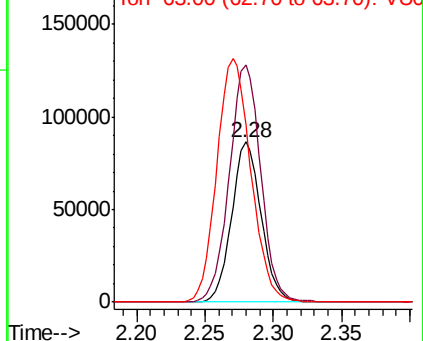
63 110.1 108.8 202.2

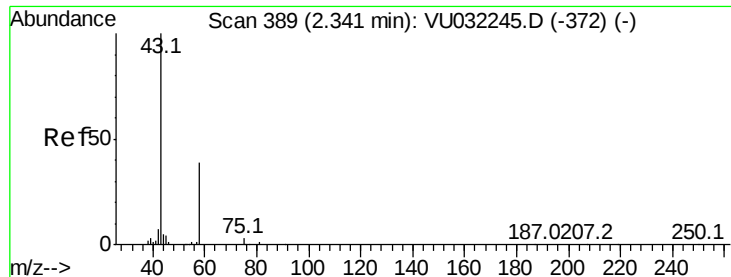


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.882 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU032250.D

Acq: 23 May 2019 03:29

Instrument :

MSVOA_U

ClientSampleId :

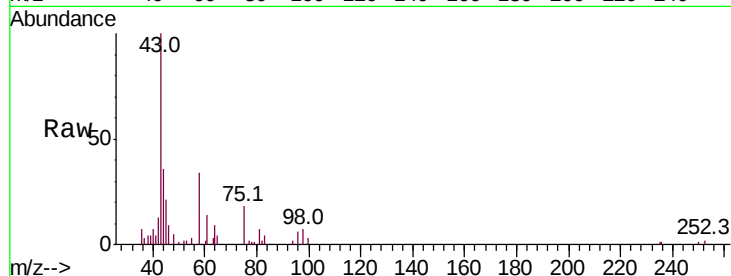
E3YF0

Tot Ion: 43 Resp: 12693

Ion Ratio Lower Upper

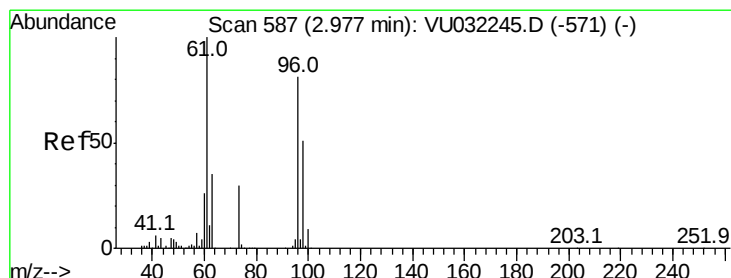
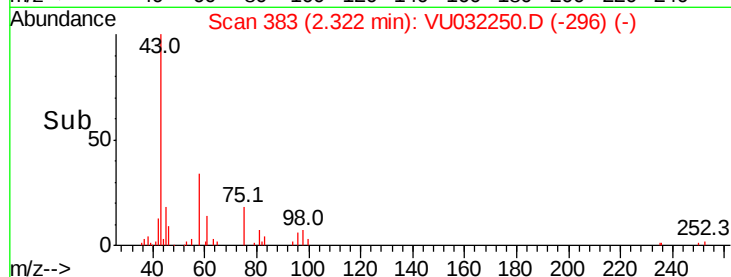
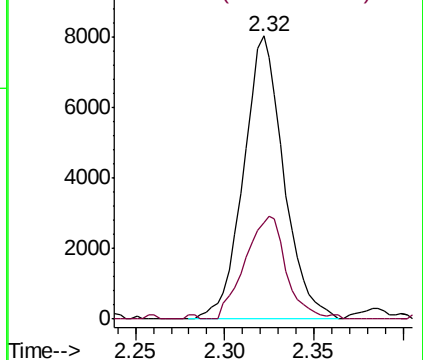
43 100

58 37.3 0.0 72.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#18

trans-1,2-Dichloroethene

Concen: 0.336 ug/L

RT: 2.97 min Scan# 585

Delta R.T. -0.01 min

Lab File: VU032250.D

Acq: 23 May 2019 03:29

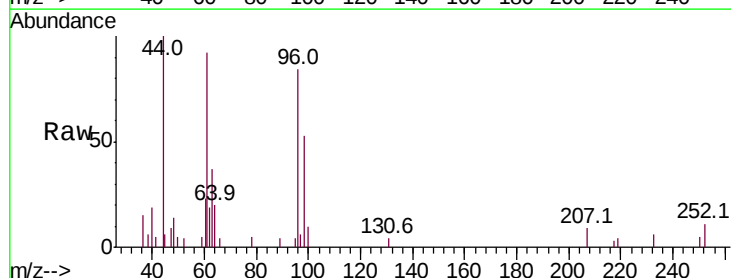
Tgt Ion: 96 Resp: 4825

Ion Ratio Lower Upper

96 100

61 110.4 90.6 168.3

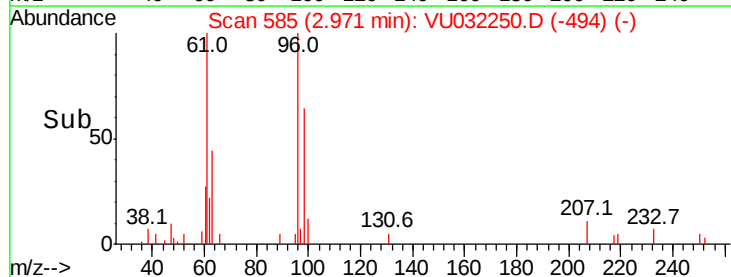
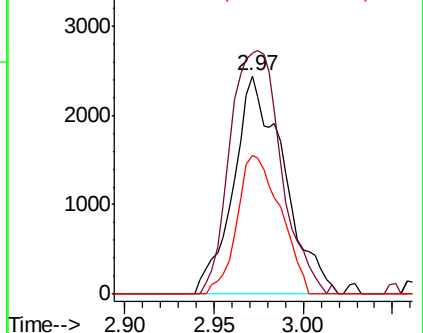
98 63.8 49.5 91.9

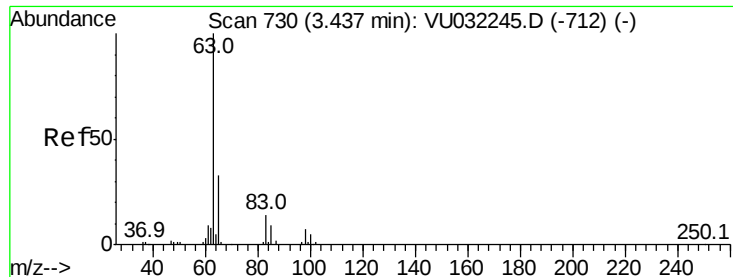


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 7.211 ug/L

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU032250.D

Acq: 23 May 2019 03:29

Instrument :

MSVOA_U

ClientSampleId :

E3YF0

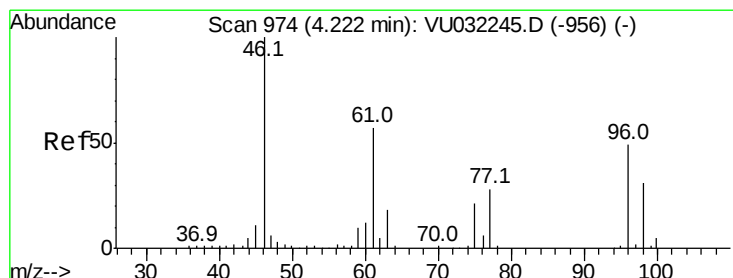
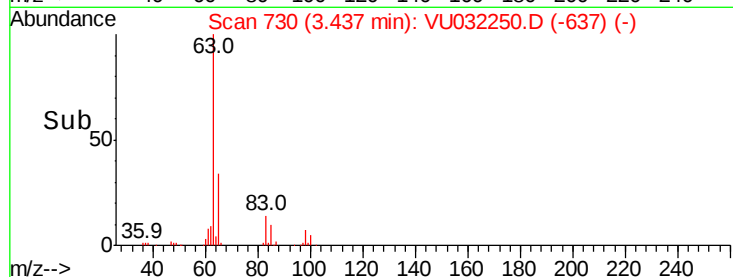
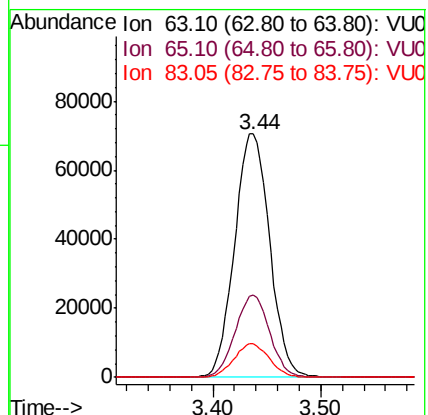
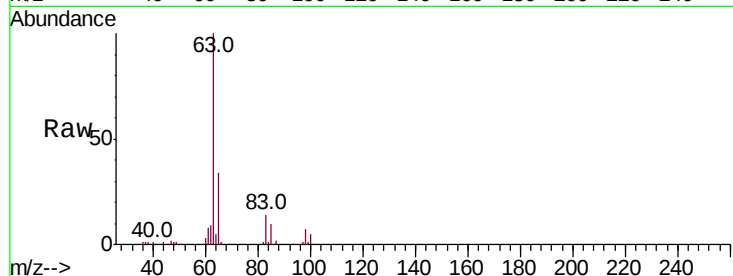
Tot Ion: 63 Resp: 159860

Ion Ratio Lower Upper

63 100

65 33.8 23.5 43.7

83 13.7 8.8 16.3



#22

cis-1,2-Dichloroethene

Concen: 1.727 ug/L

RT: 4.22 min Scan# 972

Delta R.T. -0.01 min

Lab File: VU032250.D

Acq: 23 May 2019 03:29

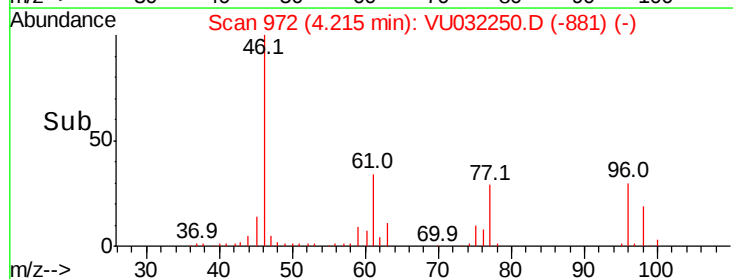
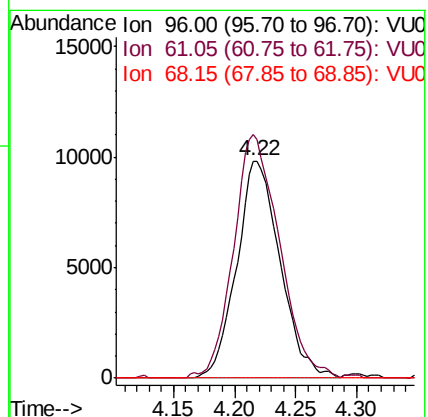
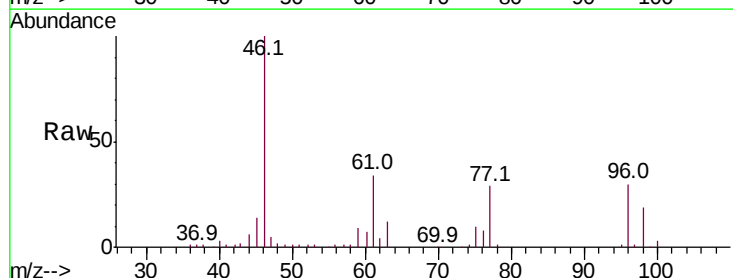
Tgt Ion: 96 Resp: 24196

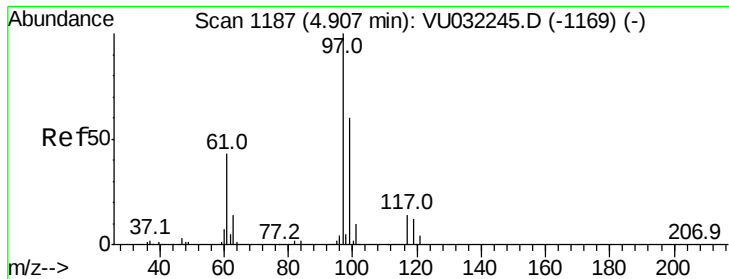
Ion Ratio Lower Upper

96 100

61 112.2 82.5 153.1

68 0.0 0.0 0.0

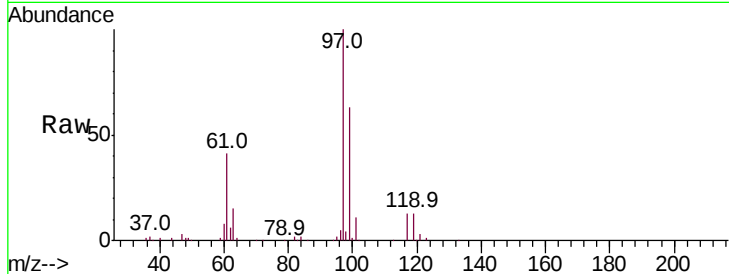




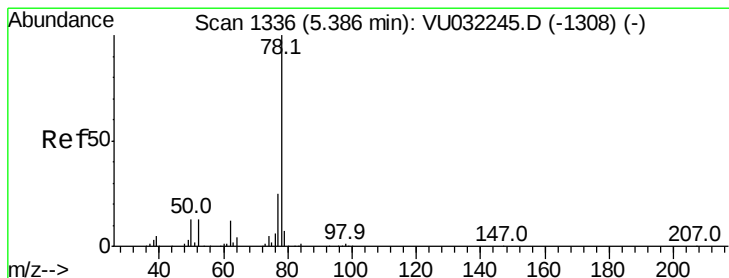
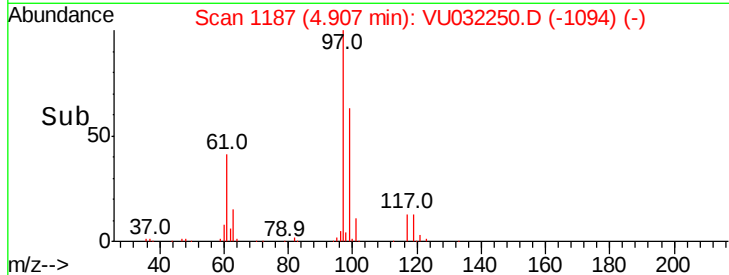
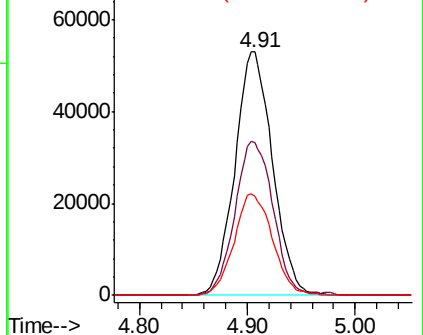
#29
 1,1,1-Trichloroethane
 Concen: 6.435 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU032250.D
 Acq: 23 May 2019 03:29

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YF0

Tot Ion: 97 Resp: 128765
 Ion Ratio Lower Upper
 97 100
 99 64.0 50.3 75.5
 61 42.4 34.1 51.1

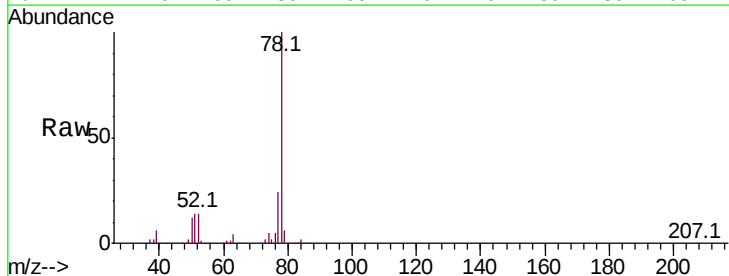


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

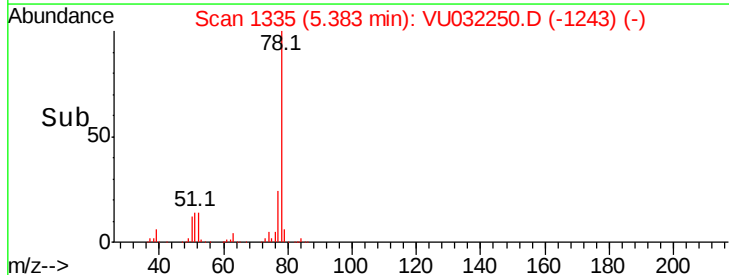
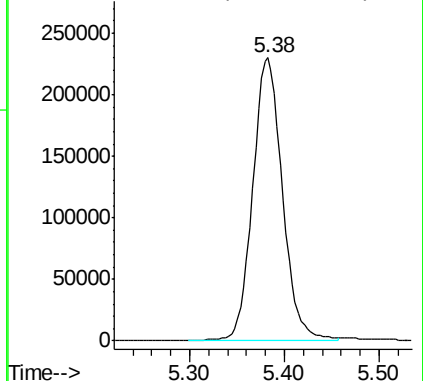


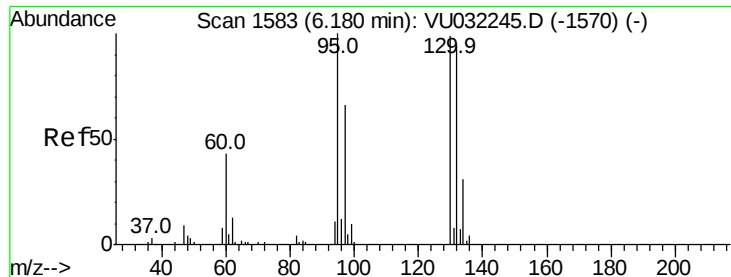
#33
 Benzene
 Concen: 9.628 ug/L
 RT: 5.38 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: VU032250.D
 Acq: 23 May 2019 03:29

Tgt Ion: 78 Resp: 502051



Abundance Ion 78.10 (77.80 to 78.80): VU0

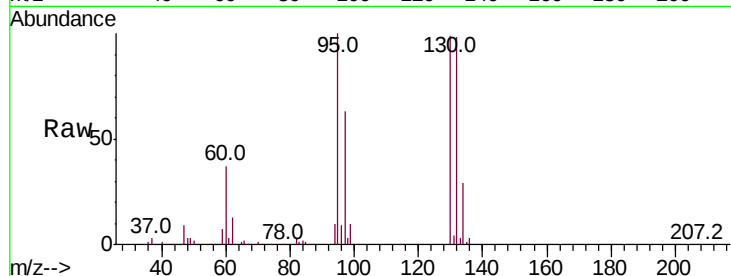




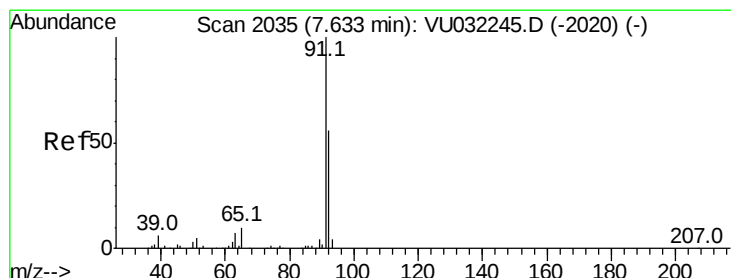
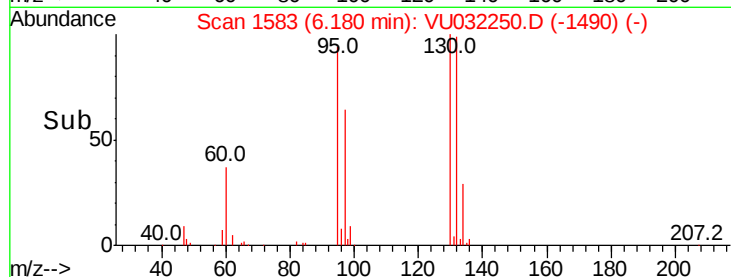
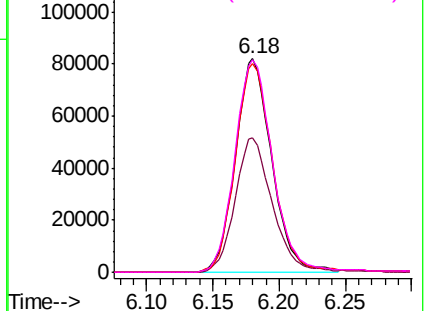
#34
 Trichloroethene
 Concen: 11.161 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU032250.D
 Acq: 23 May 2019 03:29

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YF0

Tot Ion: 95 Resp: 156207
 Ion Ratio Lower Upper
 95 100
 97 63.1 39.9 74.1
 132 97.8 65.9 122.5
 130 99.2 70.6 131.2

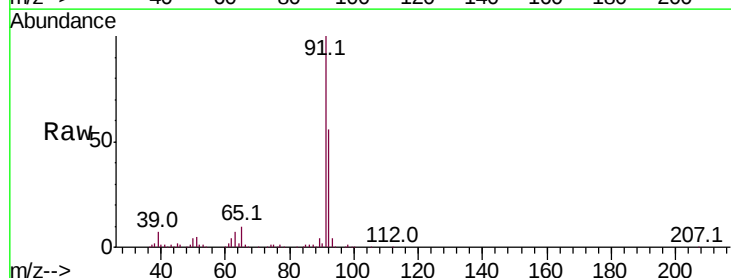


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

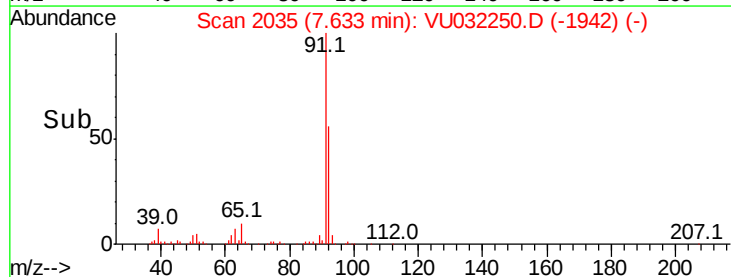
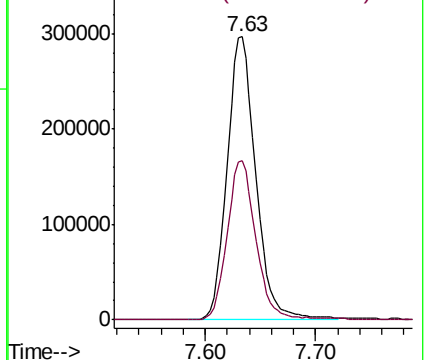


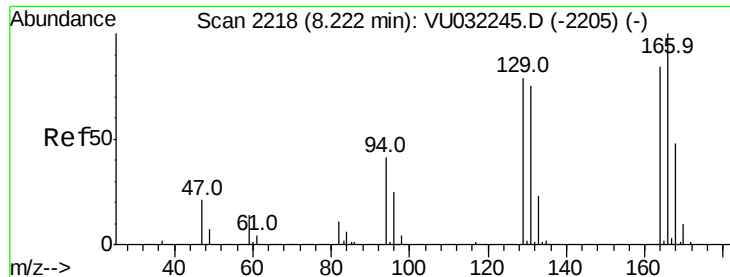
#42
 Toluene
 Concen: 9.677 ug/L
 RT: 7.63 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU032250.D
 Acq: 23 May 2019 03:29

Tgt Ion: 91 Resp: 536168
 Ion Ratio Lower Upper
 91 100
 92 56.1 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: 0.728 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU032250.D

Acq: 23 May 2019 03:29

Instrument :
MSVOA_U
ClientSampleId :
E3YF0

Tot Ion:164 Resp: 8407

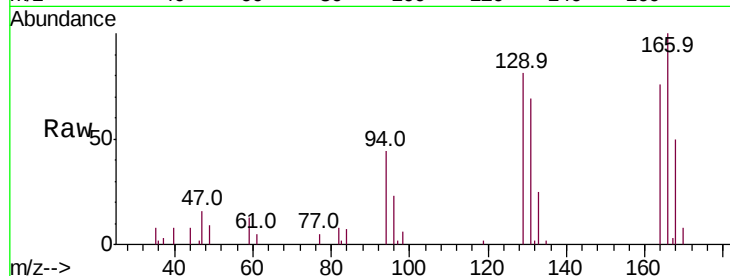
Ion Ratio Lower Upper

164 100

129 105.7 67.1 124.7

131 90.8 62.2 115.4

166 131.2 90.9 168.9

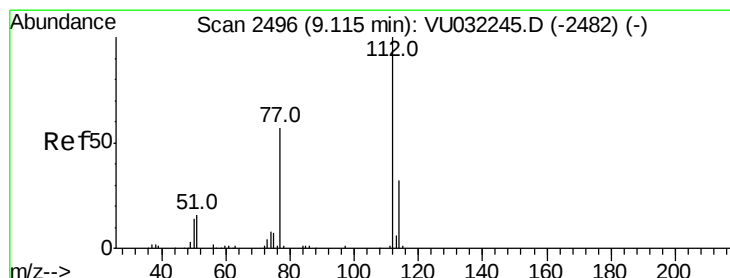
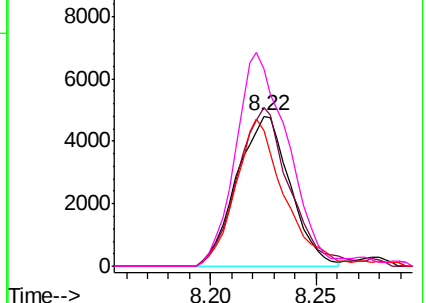
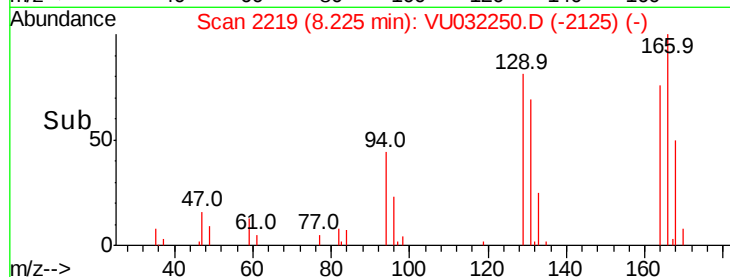


Abundance Ion 163.90 (163.60 to 164.60): V

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



#51

Chlorobenzene

Concen: 10.094 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU032250.D

Acq: 23 May 2019 03:29

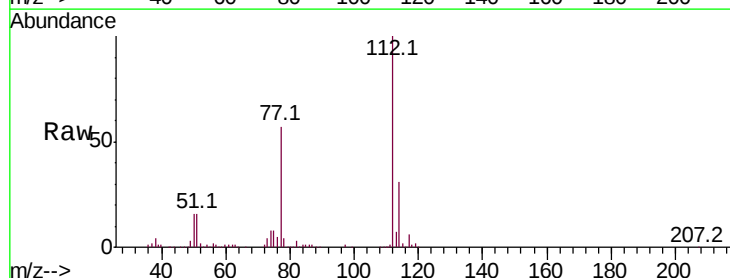
Tgt Ion:112 Resp: 357963

Ion Ratio Lower Upper

112 100

114 30.8 22.6 42.0

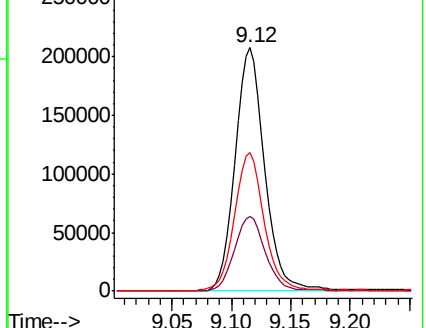
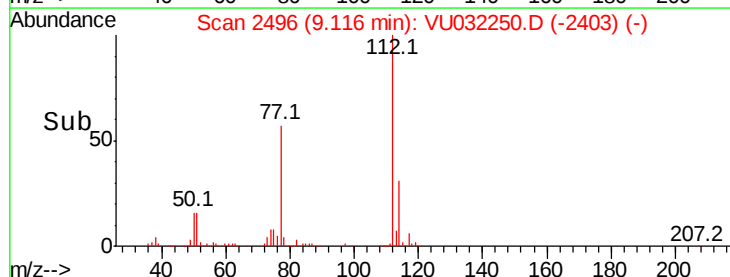
77 56.9 46.8 70.2

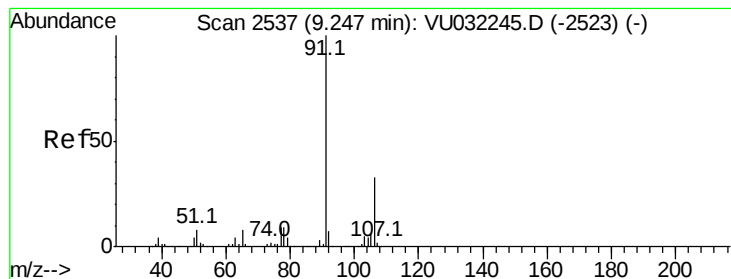


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 0.158 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU032250.D

Acq: 23 May 2019 03:29

Instrument :

MSVOA_U

ClientSampled :

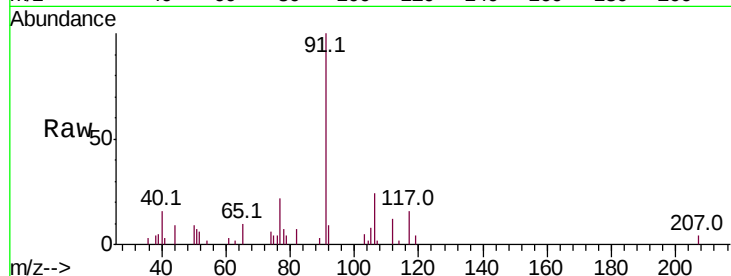
E3YF0

Tot Ion: 91 Resp: 8815

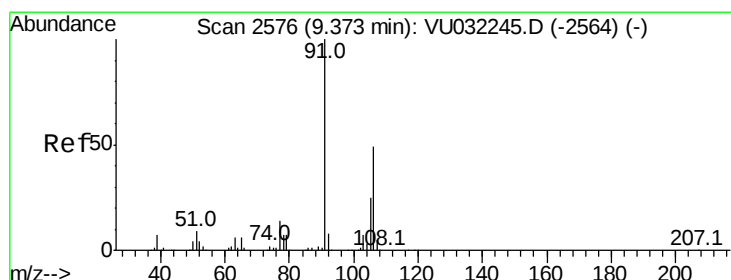
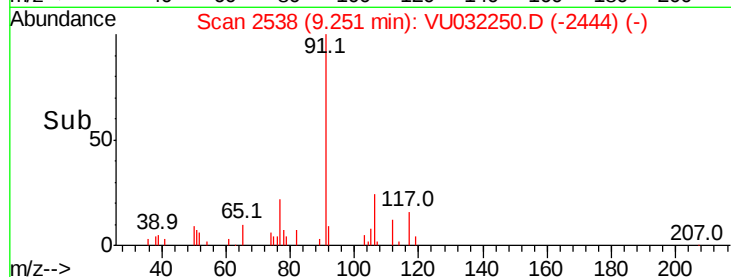
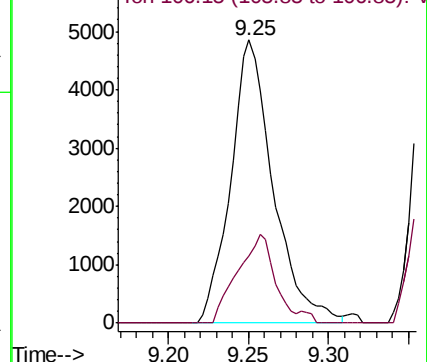
Ion Ratio Lower Upper

91 100

106 23.9 20.9 38.9



Abundance Ion 91.15 (90.85 to 91.85): VU032245.D (-2523) (-)



#53

m,p-Xylene

Concen: 0.752 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU032250.D

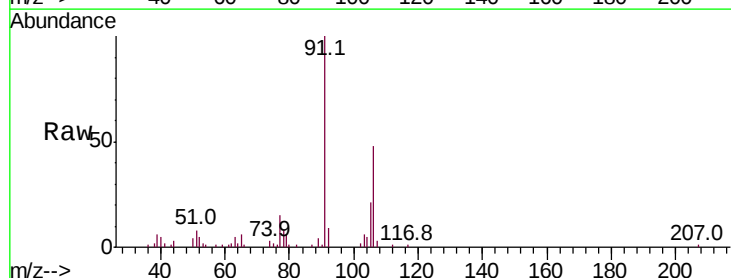
Acq: 23 May 2019 03:29

Tgt Ion: 106 Resp: 15594

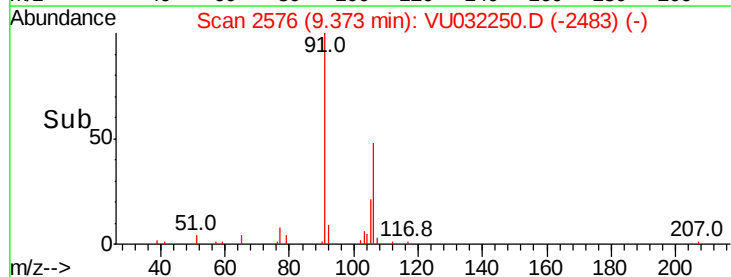
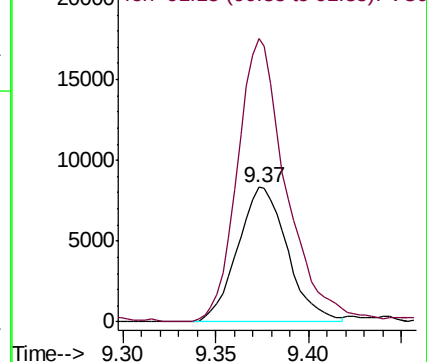
Ion Ratio Lower Upper

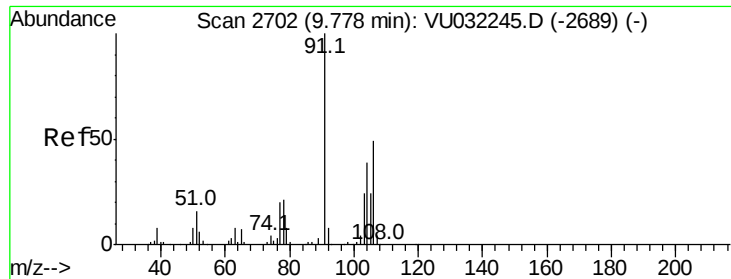
106 100

91 210.1 143.9 267.2



Abundance Ion 106.15 (105.85 to 106.85): VU032245.D (-2564) (-)





#54
 o-Xylene
 Concen: 0.483 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VU032250.D
 Acq: 23 May 2019 03:29

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YF0

Tot Ion:106 Resp: 10014
 Ion Ratio Lower Upper
 106 100
 91 167.3 147.8 274.4

