

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052319\
 Data File : VU032265.D
 Acq On : 23 May 2019 13:36
 Operator : JC/SP
 Sample : K3001-05MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YF0MSD

Quant Time: May 24 02:37:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 24 01:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	374826	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	384092	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	154416	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	86768	4.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.40%
7) Chloroethane-d5	1.67	69	92522	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.27	63	183683	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.60%
20) 2-Butanone-d5	4.19	46	281185	47.36	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.72%
24) Chloroform-d	4.64	84	245760	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	5.31	65	135477	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.33	84	477792	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
36) 1,2-Dichloropropane-d6	6.33	67	160845	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.80%
41) Toluene-d8	7.56	98	432444	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.60%
43) trans-1,3-Dichloropropene-	7.85	79	58524	4.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.00%
46) 2-Hexanone-d5	8.31	63	237580	46.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.78%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	162860	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	206518	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.88	101	6642	0.316	ug/L	100
12) 1,1-Dichloroethene	2.28	96	84399	6.327	ug/L	81
13) Acetone	2.32	43	13848	7.528	ug/L	97
18) trans-1,2-Dichloroethene	2.97	96	4398	0.307	ug/L #	84
19) 1,1-Dichloroethane	3.44	63	158973	7.189	ug/L	96
22) cis-1,2-Dichloroethene	4.22	96	23379	1.673	ug/L	98
29) 1,1,1-Trichloroethane	4.91	97	126376	6.339	ug/L	98
33) Benzene	5.38	78	301238	5.798	ug/L	100
34) Trichloroethene	6.18	95	105670	7.578	ug/L	92
38) Bromodichloromethane	6.76	83	5173	0.318	ug/L	91
42) Toluene	7.63	91	314545	5.698	ug/L	96
47) Tetrachloroethene	8.23	164	8126	0.706	ug/L	92
51) Chlorobenzene	9.12	112	217890	6.167	ug/L	99
52) Ethylbenzene	9.25	91	8140	0.146	ug/L	92
53) m,p-Xylene	9.37	106	14970	0.724	ug/L	85
54) o-Xylene	9.78	106	9691	0.469	ug/L	96

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QLast Update : Fri May 24 01:34:27 2019
Response via : Initial Calibration

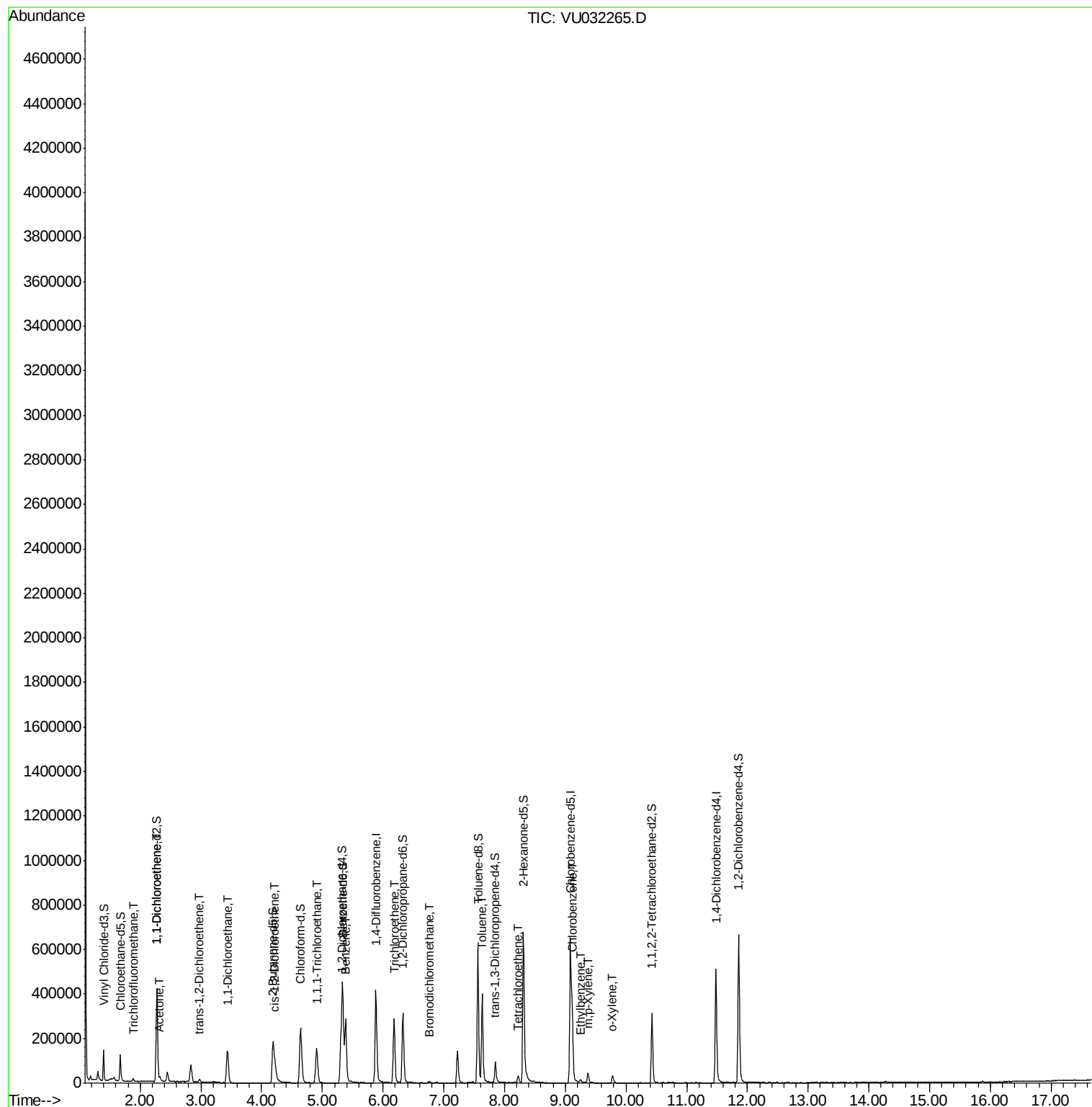
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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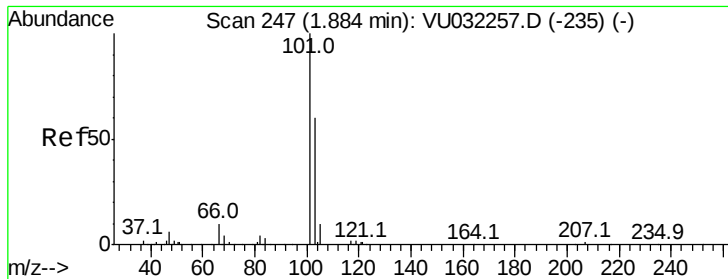
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 24 01:34:27 2019
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 0.316 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU032265.D

Acq: 23 May 2019 13:36

Instrument :

MSVOA_U

ClientSampleId :

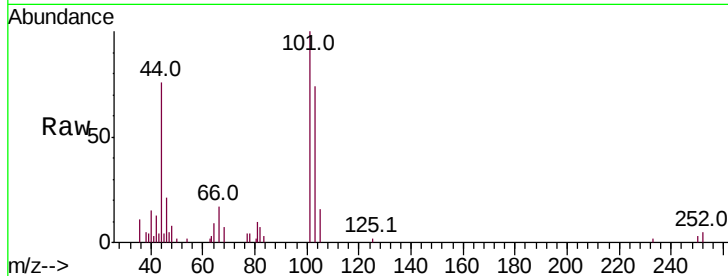
E3YF0MSD

Tot Ion:101 Resp: 6642

Ion Ratio Lower Upper

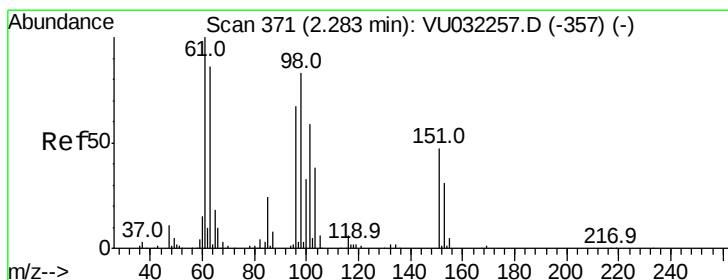
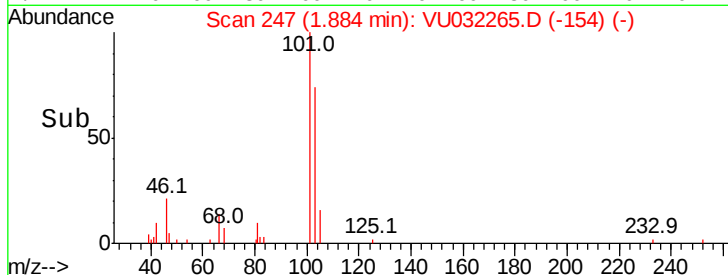
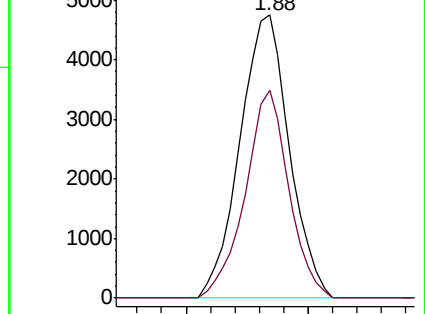
101 100

103 64.8 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: 6.327 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU032265.D

Acq: 23 May 2019 13:36

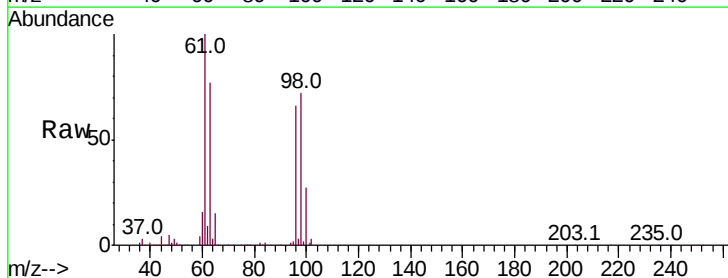
Tgt Ion: 96 Resp: 84399

Ion Ratio Lower Upper

96 100

61 151.0 113.8 211.3

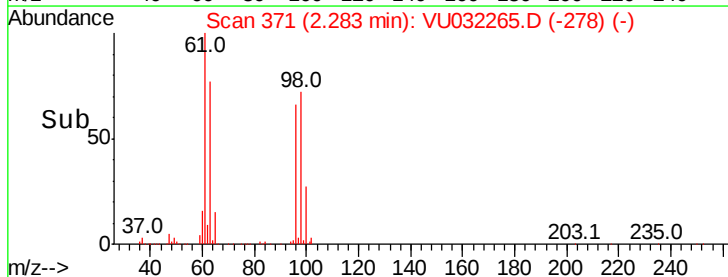
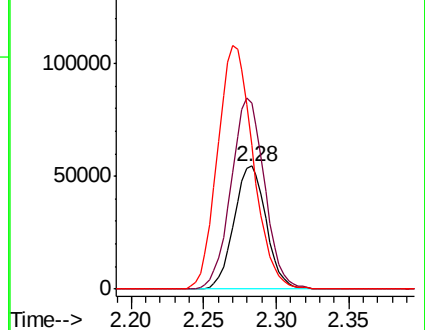
63 117.0 108.8 202.2

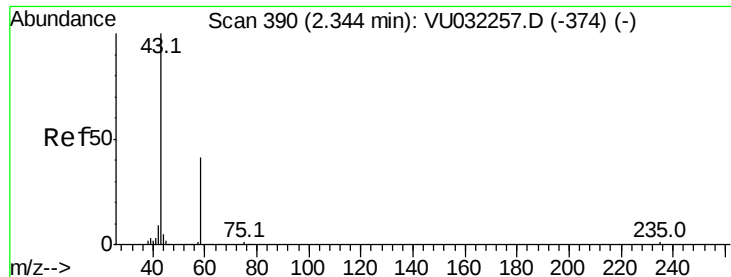


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 7.528 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU032265.D

Acq: 23 May 2019 13:36

Instrument :

MSVOA_U

ClientSampled :

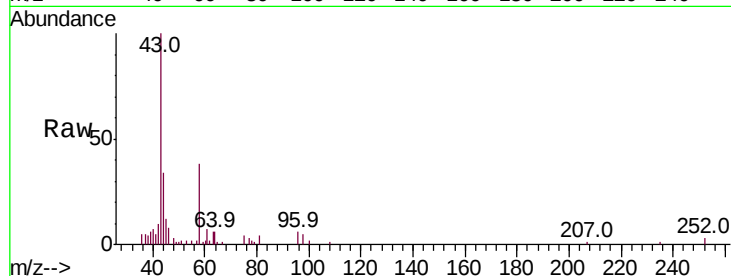
E3YF0MSD

Tot Ion: 43 Resp: 13848

Ion Ratio Lower Upper

43 100

58 38.0 0.0 72.6



Abundance Ion 43.05 (42.75 to 43.75): VU032257.D (-374) (-)

Ion 58.05 (57.75 to 58.75): VU032257.D (-374) (-)

2.32

10000

8000

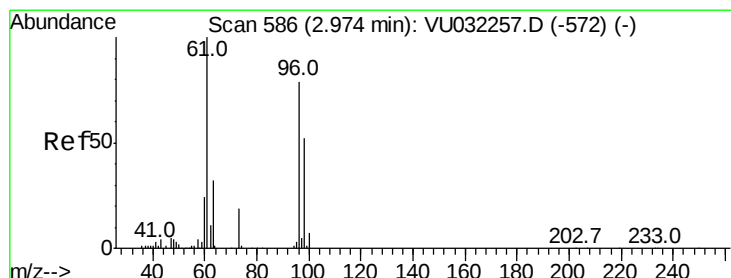
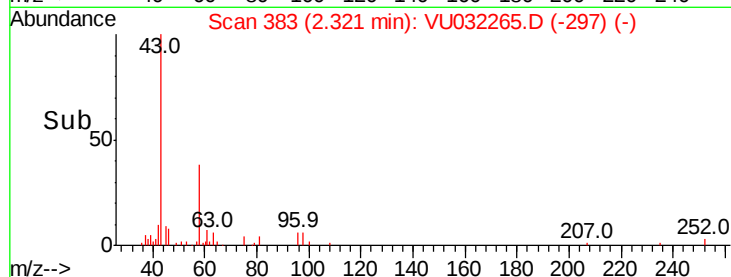
6000

4000

2000

0

Time--> 2.25 2.30 2.35



#18

trans-1,2-Dichloroethene

Concen: 0.307 ug/L

RT: 2.97 min Scan# 585

Delta R.T. -0.00 min

Lab File: VU032265.D

Acq: 23 May 2019 13:36

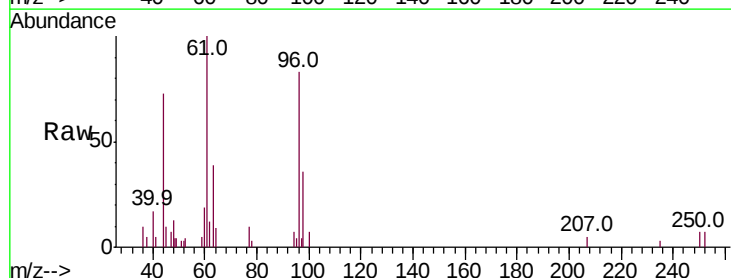
Tgt Ion: 96 Resp: 4398

Ion Ratio Lower Upper

96 100

61 120.8 90.6 168.3

98 43.9 49.5 91.9#



Abundance Ion 96.00 (95.70 to 96.70): VU032257.D (-572) (-)

Ion 61.05 (60.75 to 61.75): VU032257.D (-572) (-)

Ion 97.95 (97.65 to 98.65): VU032257.D (-572) (-)

4000

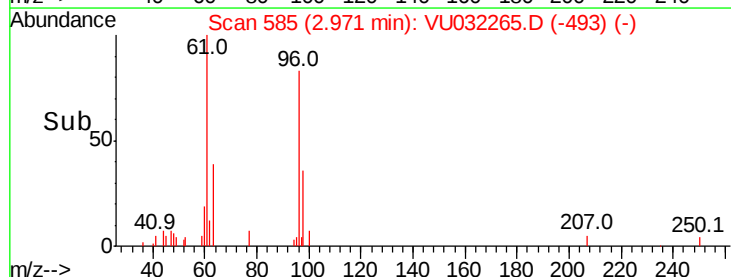
3000

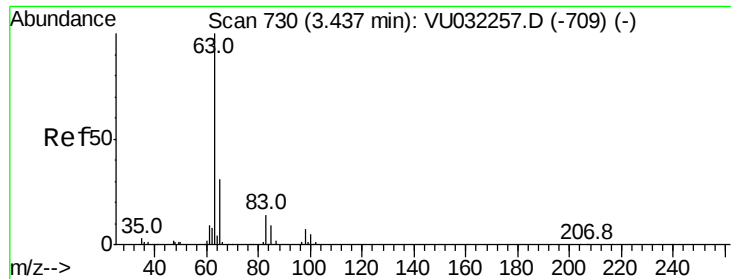
2000

1000

0

Time--> 2.95 3.00





#19

1,1-Dichloroethane

Concen: 7.189 ug/L

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU032265.D

Acq: 23 May 2019 13:36

Instrument :

MSVOA_U

ClientSampleId :

E3YF0MSD

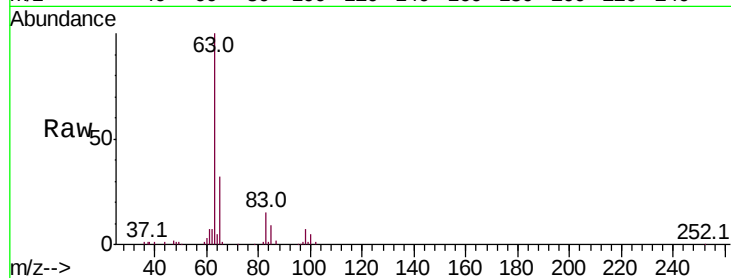
Tot Ion: 63 Resp: 158973

Ion Ratio Lower Upper

63 100

65 31.6 23.5 43.7

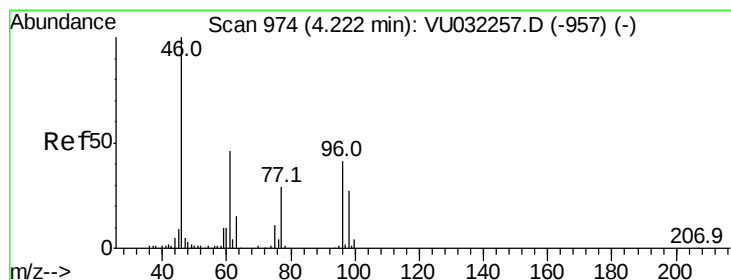
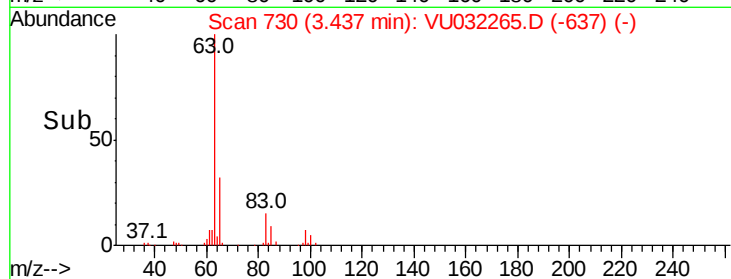
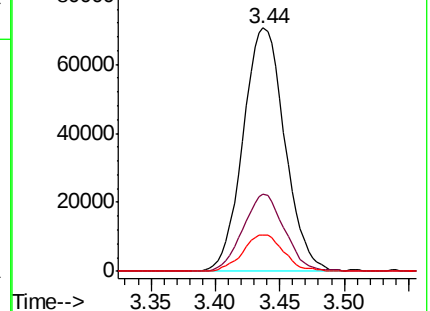
83 15.1 8.8 16.3



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: 1.673 ug/L

RT: 4.22 min Scan# 974

Delta R.T. -0.00 min

Lab File: VU032265.D

Acq: 23 May 2019 13:36

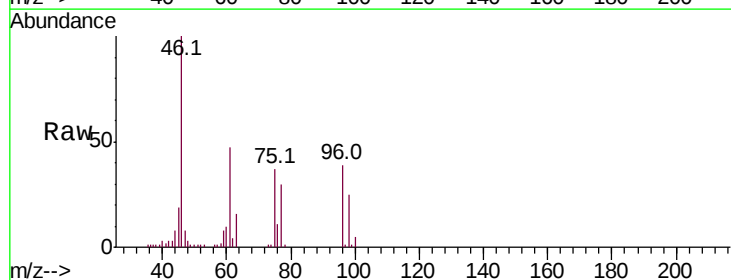
Tgt Ion: 96 Resp: 23379

Ion Ratio Lower Upper

96 100

61 120.3 82.5 153.1

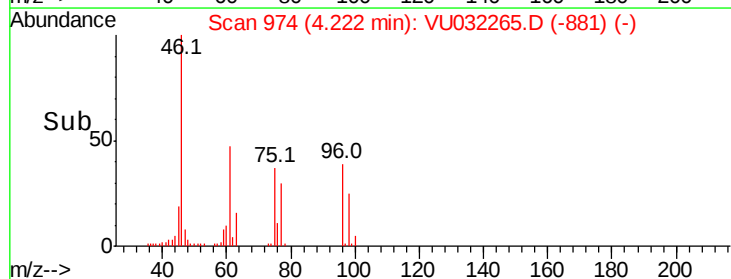
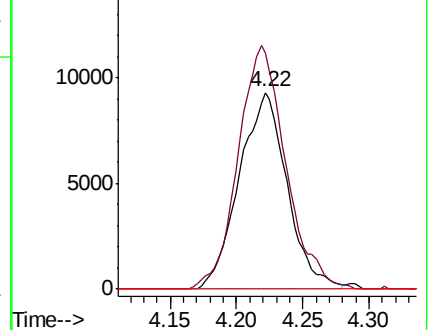
68 0.0 0.0 0.0

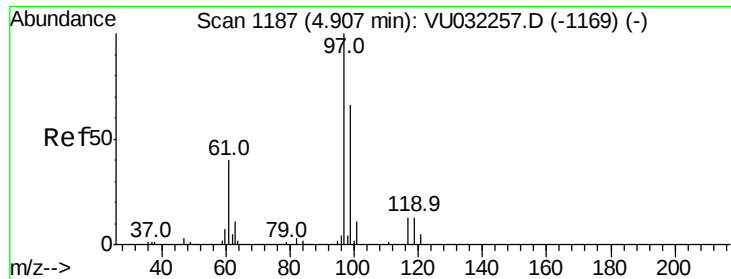


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

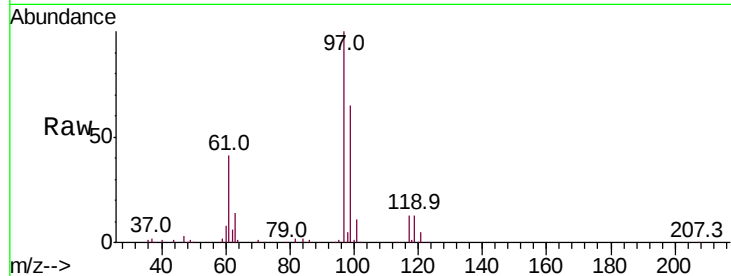




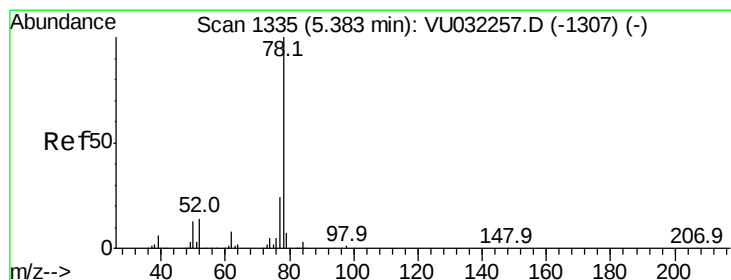
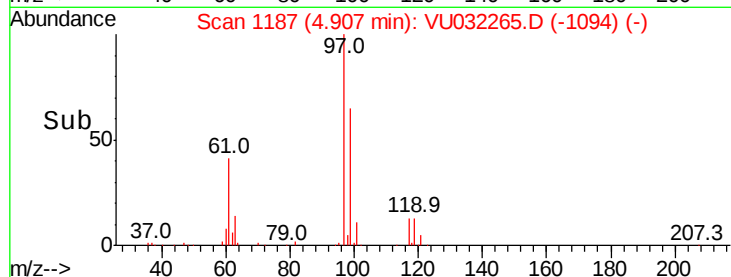
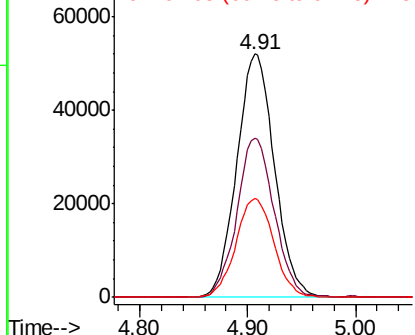
#29
 1,1,1-Trichloroethane
 Concen: 6.339 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VU032265.D
 Acq: 23 May 2019 13:36

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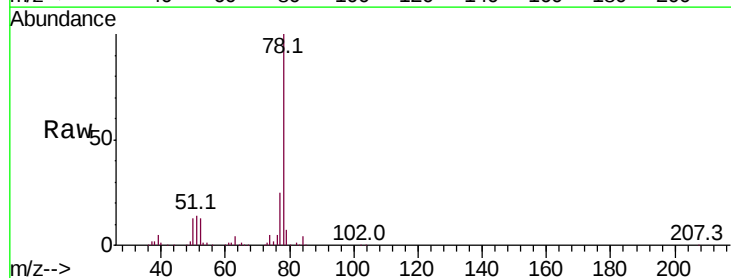
Tot Ion: 97 Resp: 126376
 Ion Ratio Lower Upper
 97 100
 99 64.7 50.3 75.5
 61 41.1 34.1 51.1



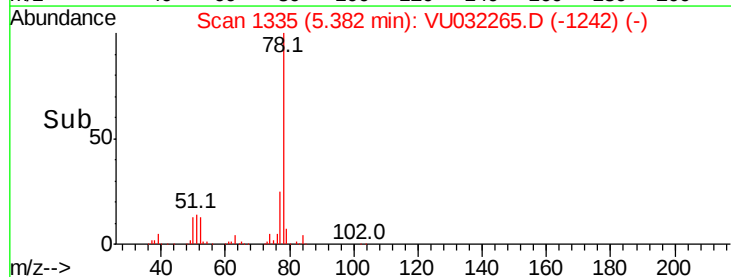
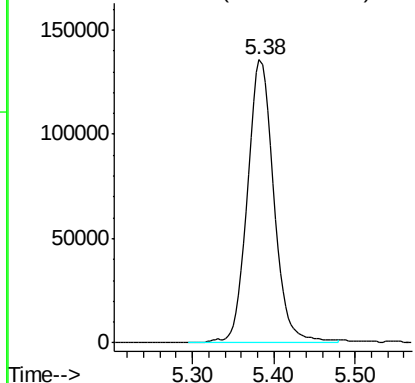
Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

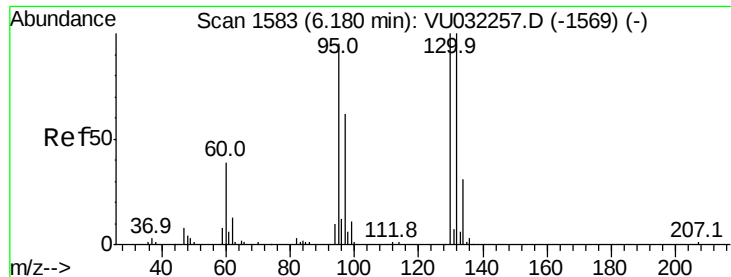


#33
 Benzene
 Concen: 5.798 ug/L
 RT: 5.38 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: VU032265.D
 Acq: 23 May 2019 13:36
 Tgt Ion: 78 Resp: 301238



Abundance Ion 78.10 (77.80 to 78.80): VU0

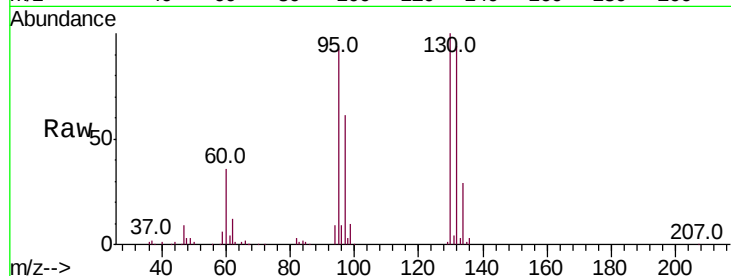




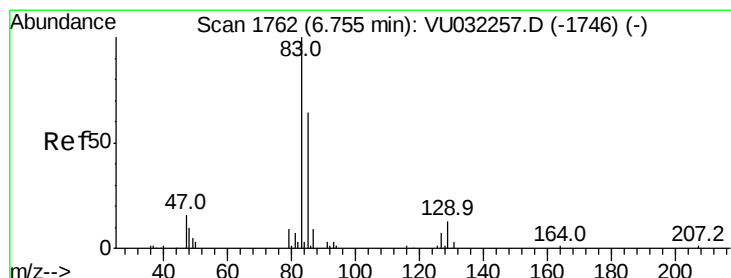
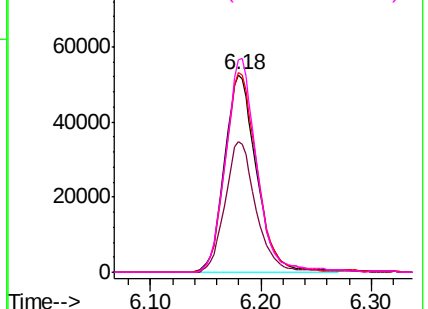
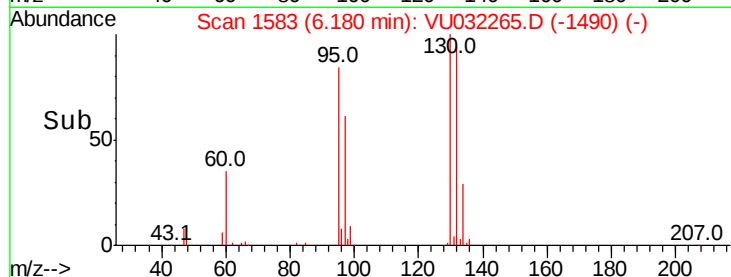
#34
 Trichloroethene
 Concen: 7.578 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU032265.D
 Acq: 23 May 2019 13:36

Instrument :
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Tot Ion: 95 Resp: 105670
 Ion Ratio Lower Upper
 95 100
 97 66.1 39.9 74.1
 132 101.0 65.9 122.5
 130 107.7 70.6 131.2

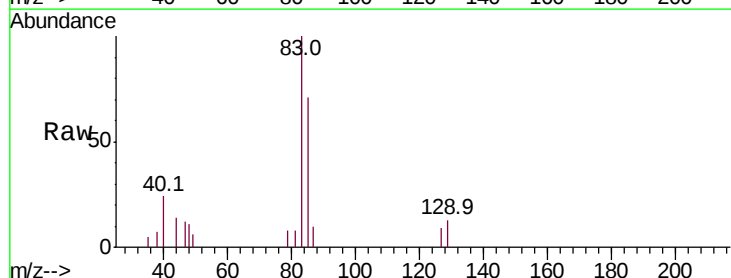


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

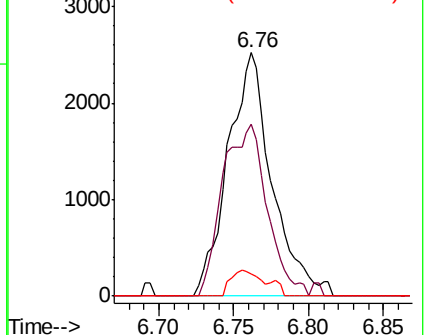
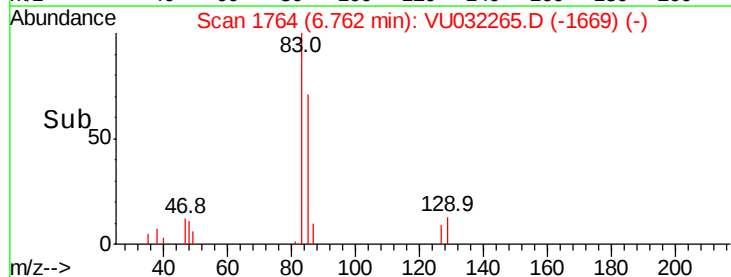


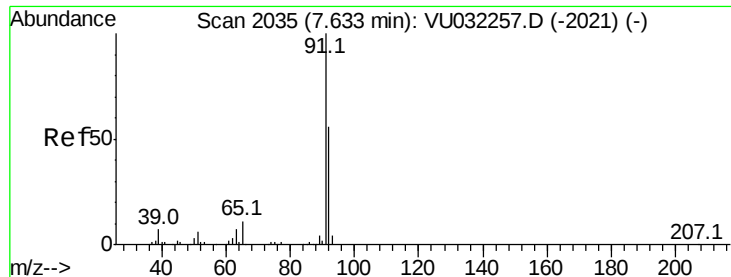
#38
 Bromodichloromethane
 Concen: 0.318 ug/L
 RT: 6.76 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VU032265.D
 Acq: 23 May 2019 13:36

Tgt Ion: 83 Resp: 5173
 Ion Ratio Lower Upper
 83 100
 85 70.9 44.4 82.4
 127 9.3 7.0 10.6



Abundance Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0
 Ion 126.90 (126.60 to 127.60): V





#42

Toluene

Concen: 5.698 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU032265.D

Acq: 23 May 2019 13:36

Instrument :

MSVOA_U

ClientSampleId :

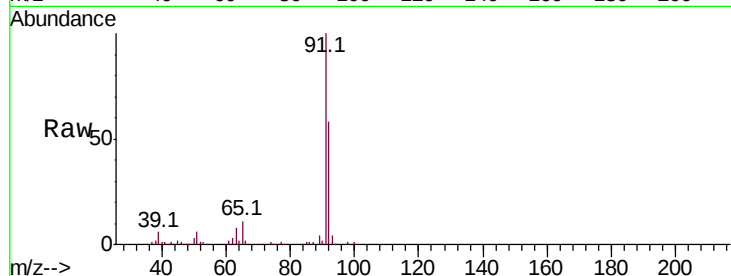
E3YF0MSD

Tot Ion: 91 Resp: 314545

Ion Ratio Lower Upper

91 100

92 57.9 38.5 71.5



Abundance Ion 91.15 (90.85 to 91.85): VU032257.D (-2021) (-)

Ion 92.15 (91.85 to 92.85): VU032257.D (-2021) (-)

7.63

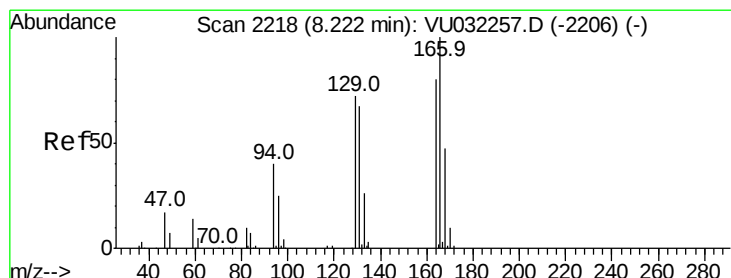
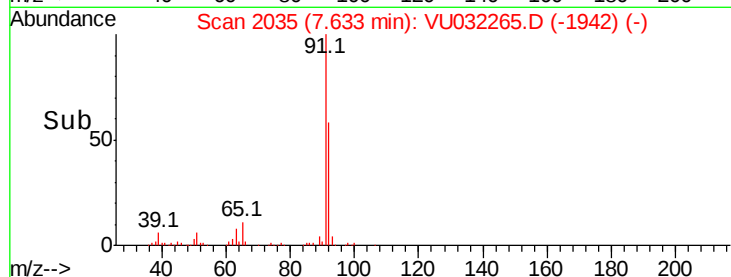
150000

100000

50000

0

Time-->



#47

Tetrachloroethene

Concen: 0.706 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. 0.01 min

Lab File: VU032265.D

Acq: 23 May 2019 13:36

Tgt Ion:164 Resp: 8126

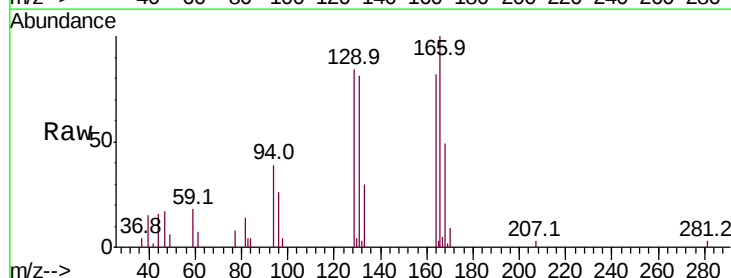
Ion Ratio Lower Upper

164 100

129 102.4 67.1 124.7

131 98.7 62.2 115.4

166 122.6 90.9 168.9



Abundance Ion 163.90 (163.60 to 164.60): VU032257.D (-2206) (-)

Ion 128.95 (128.65 to 129.65): VU032257.D (-2206) (-)

Ion 130.95 (130.65 to 131.65): VU032257.D (-2206) (-)

Ion 165.90 (165.60 to 166.60): VU032257.D (-2206) (-)

8.23

8000

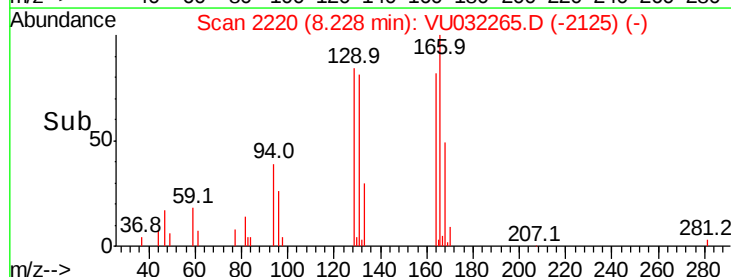
6000

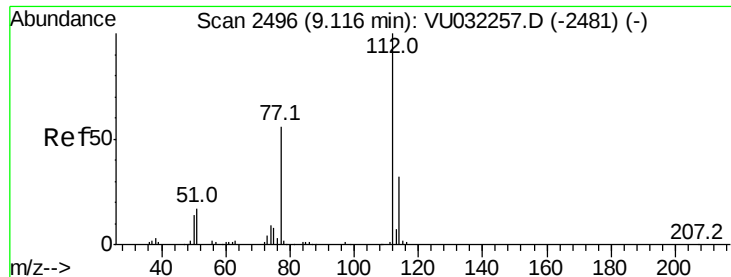
4000

2000

0

Time-->





#51

Chlorobenzene

Concen: 6.167 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU032265.D

Acq: 23 May 2019 13:36

Instrument :

MSVOA_U

ClientSampleId :

E3YF0MSD

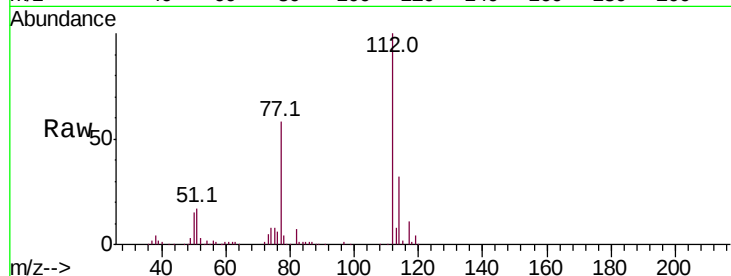
Tot Ion:112 Resp: 217890

Ion Ratio Lower Upper

112 100

114 31.7 22.6 42.0

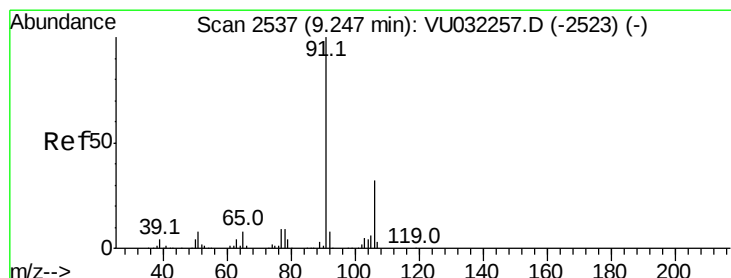
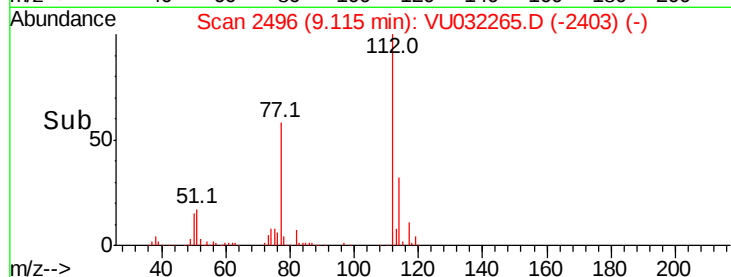
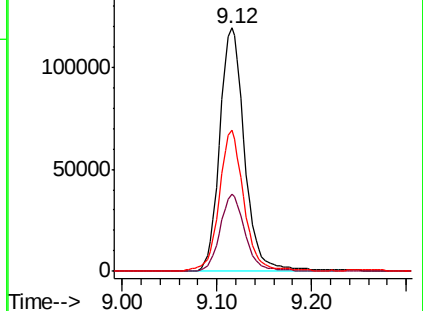
77 58.1 46.8 70.2



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): V



#52

Ethylbenzene

Concen: 0.146 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU032265.D

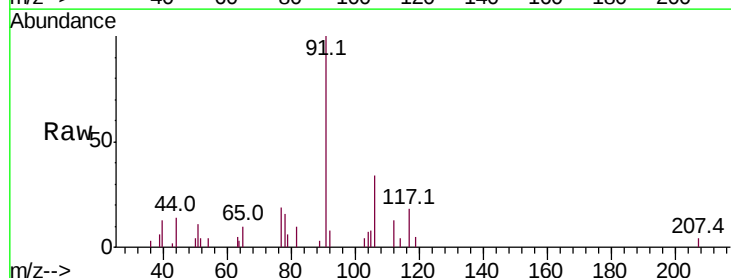
Acq: 23 May 2019 13:36

Tgt Ion: 91 Resp: 8140

Ion Ratio Lower Upper

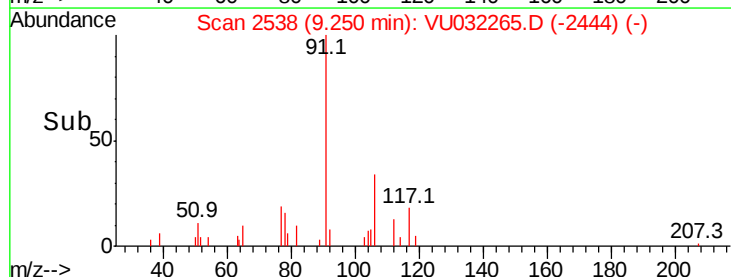
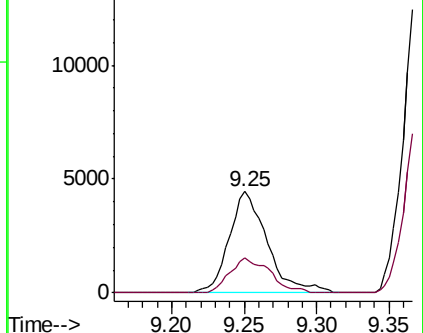
91 100

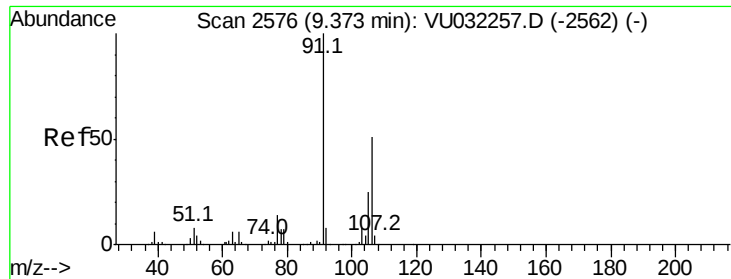
106 34.3 20.9 38.9



Abundance Ion 91.15 (90.85 to 91.85): V

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.724 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032265.D

Acq: 23 May 2019 13:36

Instrument :

MSVOA_U

ClientSampleId :

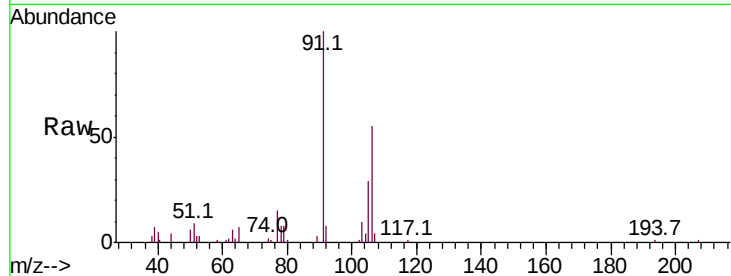
E3YF0MSD

Tot Ion:106 Resp: 14970

Ion Ratio Lower Upper

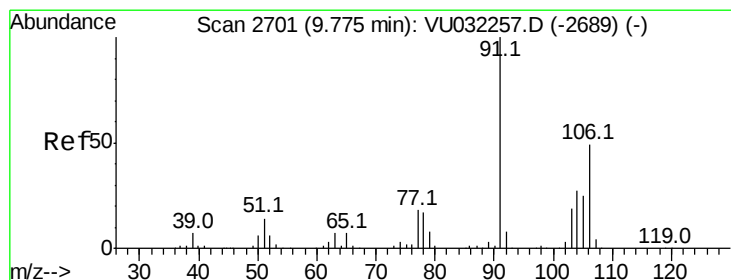
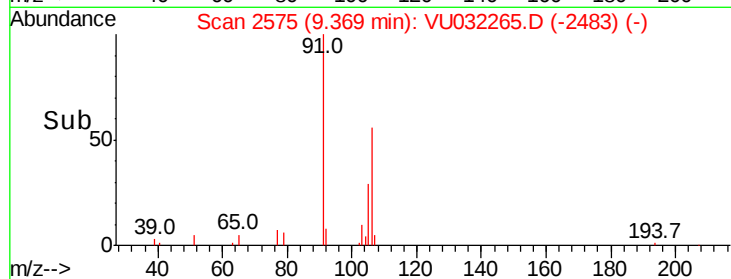
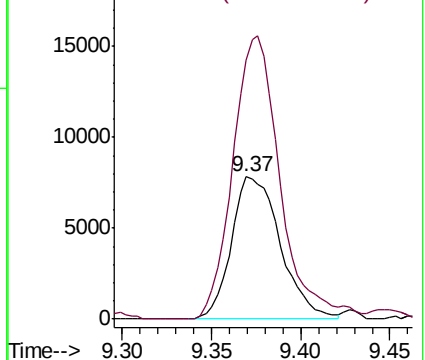
106 100

91 182.7 143.9 267.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.469 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU032265.D

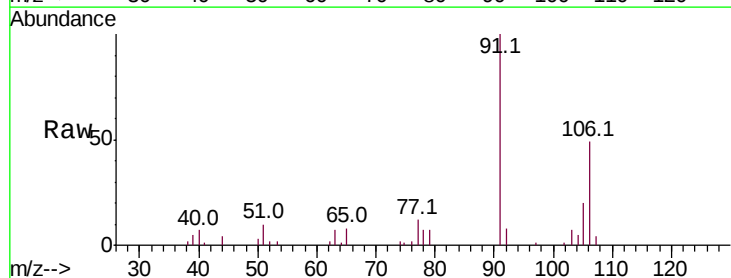
Acq: 23 May 2019 13:36

Tgt Ion:106 Resp: 9691

Ion Ratio Lower Upper

106 100

91 204.9 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

