

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010219\
 Data File : VU028985.D
 Acq On : 02 Jan 2019 12:29
 Operator : MD/SY
 Sample : J6593-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE803

Quant Time: Jan 03 04:16:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR122818WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jan 03 03:47:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	98412	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	100203	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	49941	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	33007	6.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	125.40%
7) Chloroethane-d5	1.68	69	24001	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.27	63	42698	3.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.60%
20) 2-Butanone-d5	4.23	46	60735	44.12	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.24%
24) Chloroform-d	4.65	84	52749	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	5.31	65	25694	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.34	84	117583	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.33	67	37998	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.56	98	103377	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	7.85	79	13453	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.32	63	69417	54.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.16%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	29375	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	43376	5.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.69	64	1209324	215.657	ug/L	99
16) Methylene chloride	2.70	84	5469	0.542	ug/L	96
18) trans-1,2-Dichloroethene	2.98	96	4588	0.593	ug/L	92
19) 1,1-Dichloroethane	3.44	63	18244	1.388	ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	6648	0.830	ug/L	95
30) Cyclohexane	4.99	56	5484	0.416	ug/L	89
33) Benzene	5.39	78	9336789	291.406	ug/L	100
35) Methylcyclohexane	6.40	83	2999	0.213	ug/L #	91
42) Toluene	7.63	91	33800	0.985	ug/L	98
47) Tetrachloroethene	8.22	164	1427	0.210	ug/L	87
51) Chlorobenzene	9.12	112	44571	2.072	ug/L	99
52) Ethylbenzene	9.25	91	37678	1.036	ug/L	99
53) m,p-xylene	9.37	106	7705	0.556	ug/L	94
54) o-xylene	9.78	106	21341	1.588	ug/L	95
56) Isopropylbenzene	10.16	105	301101	8.494	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	5604	0.351	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010219\
Data File : VU028985.D
Acq On : 02 Jan 2019 12:29
Operator : MD/SY
Sample : J6593-01
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BE803

Quant Time: Jan 03 04:16:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR122818WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jan 03 03:47:56 2019
Response via : Initial Calibration

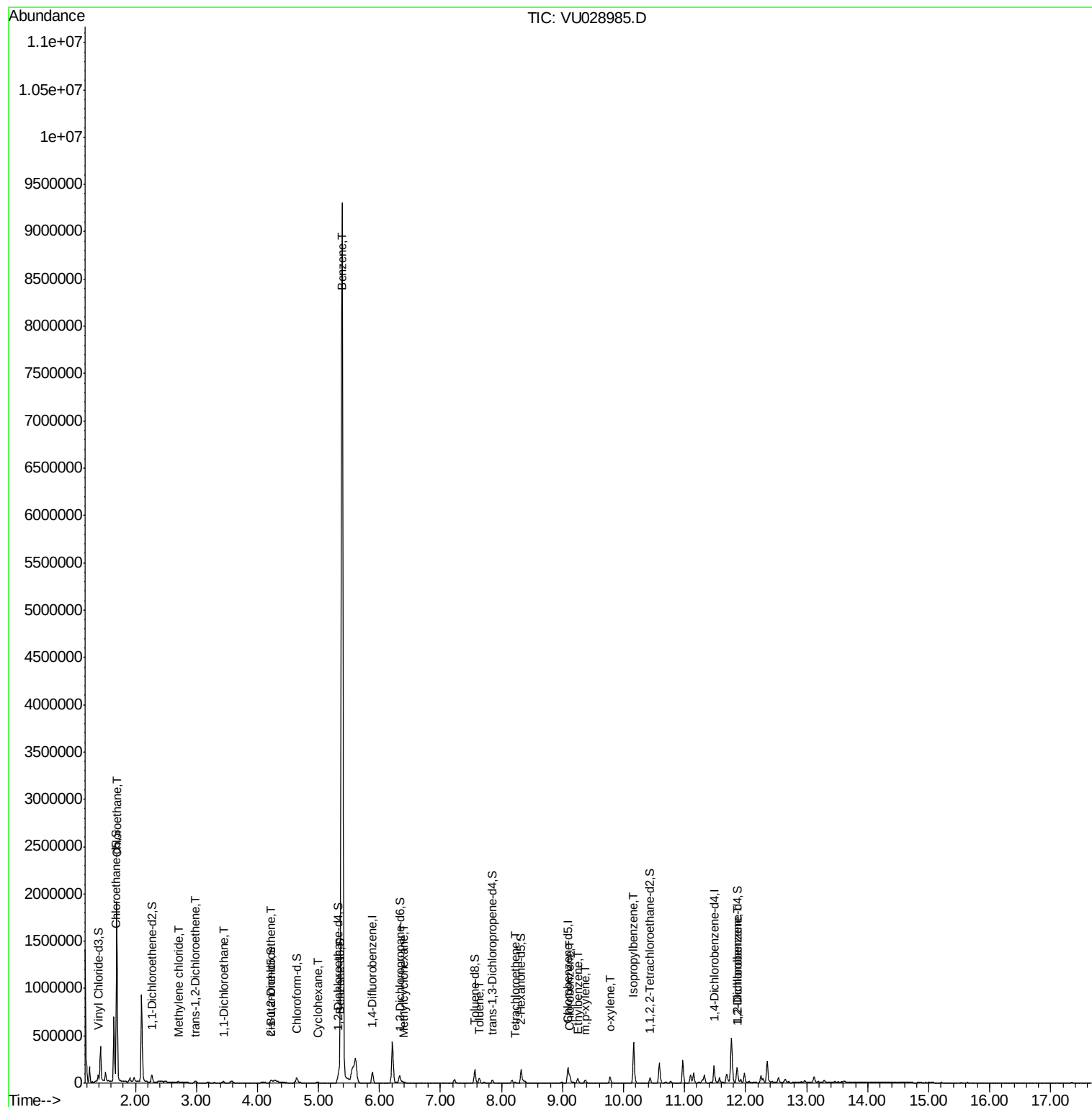
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

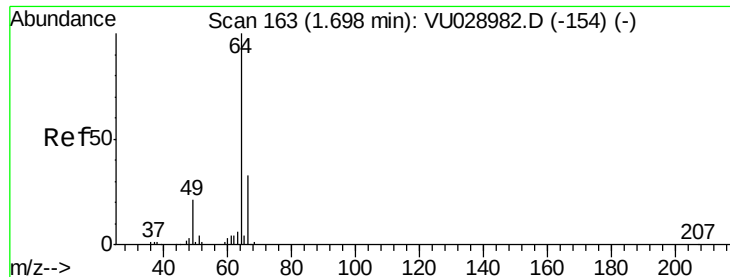
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU010219\
Data File : VU028985.D
Acq On : 02 Jan 2019 12:29
Operator : MD/SY
Sample : J6593-01
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BE803

Quant Time: Jan 03 04:16:43 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR122818WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jan 03 03:47:56 2019
Response via : Initial Calibration





#8

Chloroethane

Concen: 215.657 ug/L

RT: 1.69 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU028985.D

Acq: 02 Jan 2019 12:29

Instrument :

MSVOA_U

ClientSampled :

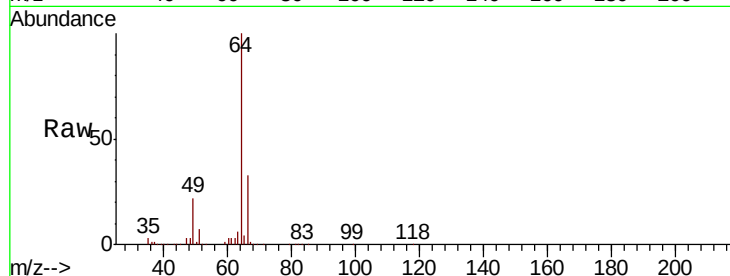
BE803

Tot Ion: 64 Resp: 1209324

Ion Ratio Lower Upper

64 100

66 32.8 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.69

800000

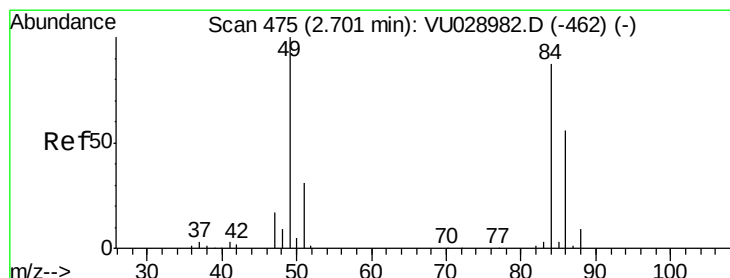
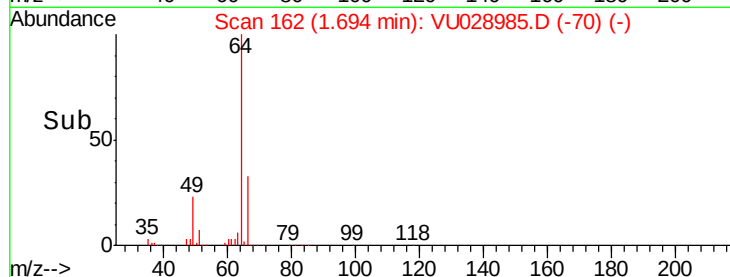
600000

400000

200000

0

Time--> 1.60 1.70 1.80



#16

Methylene chloride

Concen: 0.542 ug/L

RT: 2.70 min Scan# 474

Delta R.T. -0.00 min

Lab File: VU028985.D

Acq: 02 Jan 2019 12:29

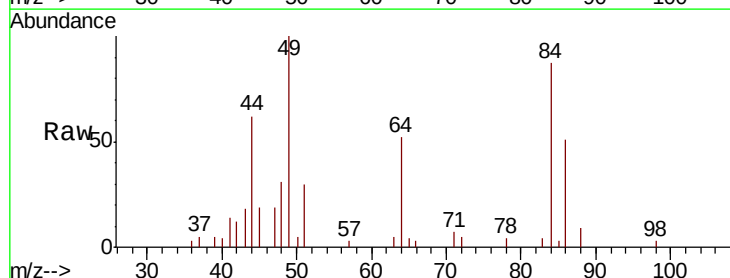
Tgt Ion: 84 Resp: 5469

Ion Ratio Lower Upper

84 100

86 58.5 45.6 84.6

49 114.8 79.7 148.1



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

4000

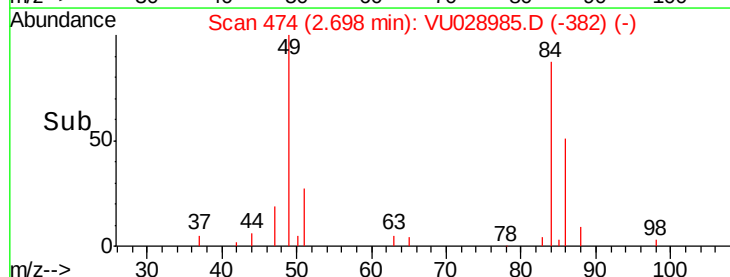
3000

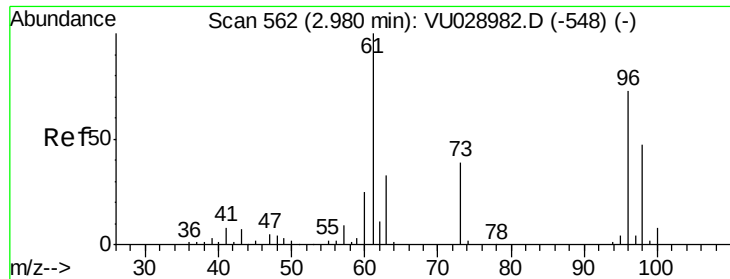
2000

1000

0

Time--> 2.65 2.70 2.75

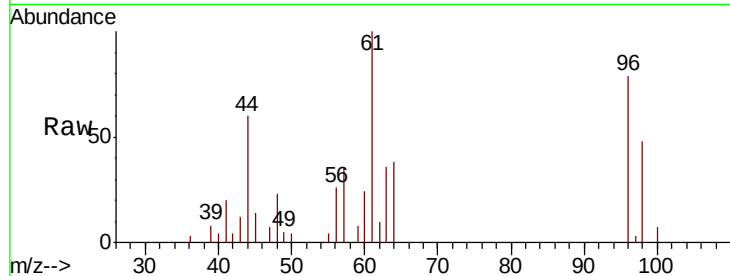




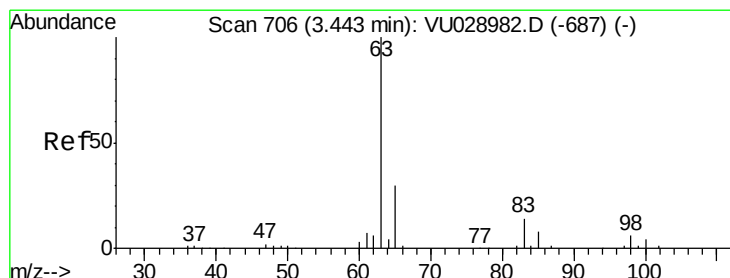
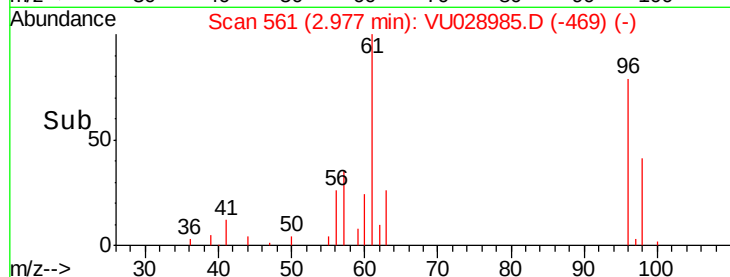
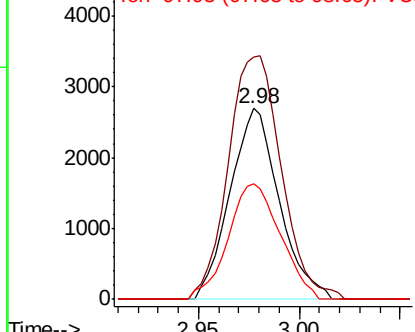
#18
trans-1,2-Dichloroethene
Concen: 0.593 ug/L
RT: 2.98 min Scan# 561
Delta R.T. -0.00 min
Lab File: VU028985.D
Acq: 02 Jan 2019 12:29

Instrument :
MSVOA_U
ClientSampleId :
BE803

Tot Ion: 96 Resp: 4588
Ion Ratio Lower Upper
96 100
61 127.2 96.6 179.4
98 60.8 46.0 85.4

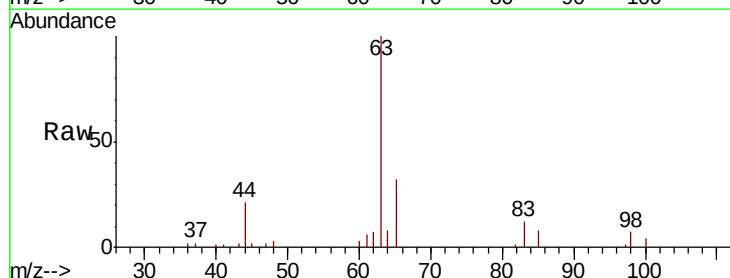


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

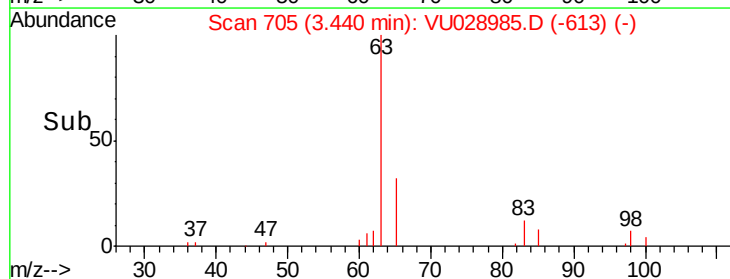
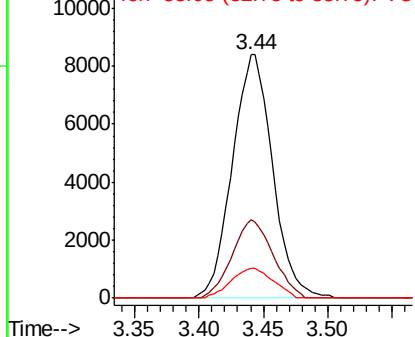


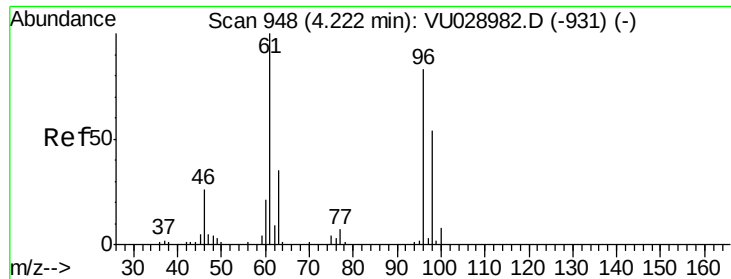
#19
1,1-Dichloroethane
Concen: 1.388 ug/L
RT: 3.44 min Scan# 705
Delta R.T. -0.00 min
Lab File: VU028985.D
Acq: 02 Jan 2019 12:29

Tgt Ion: 63 Resp: 18244
Ion Ratio Lower Upper
63 100
65 32.0 21.8 40.6
83 12.3 9.3 17.3



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



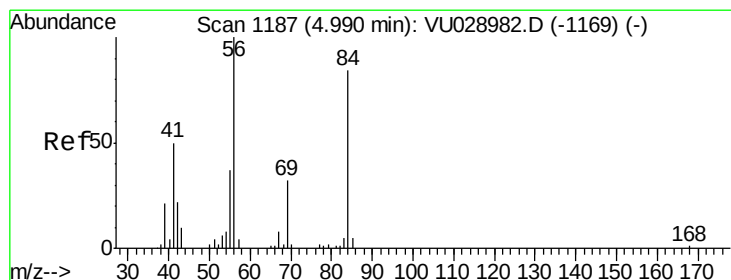
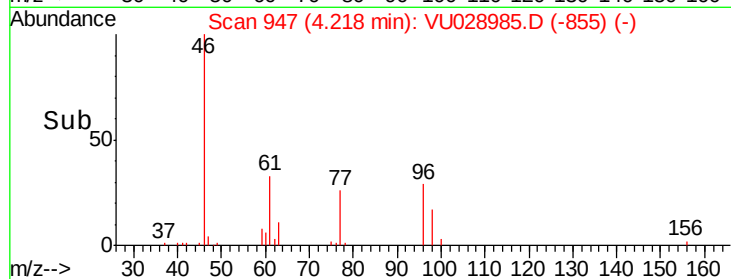
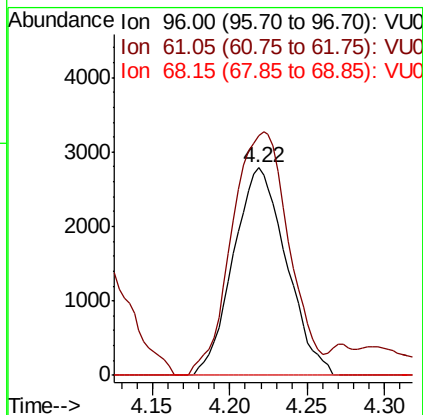
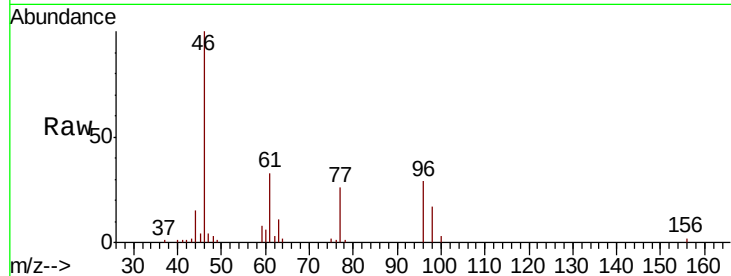


#22

cis-1,2-Dichloroethene
 Concen: 0.830 ug/L
 RT: 4.22 min Scan# 947
 Delta R.T. -0.00 min
 Lab File: VU028985.D
 Acq: 02 Jan 2019 12:29

Instrument :
 MSVOA_U
 ClientSampleId :
 BE803

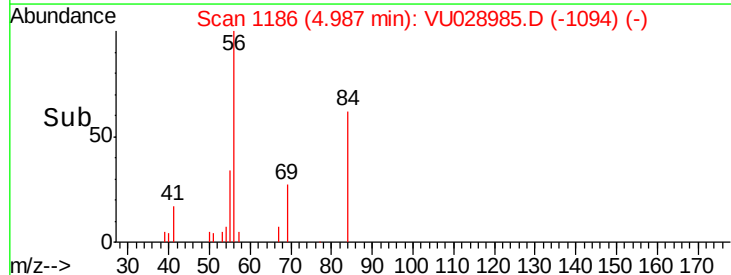
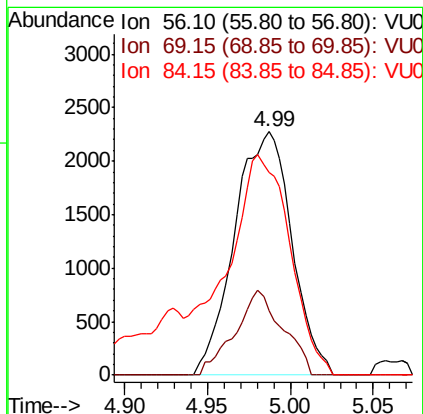
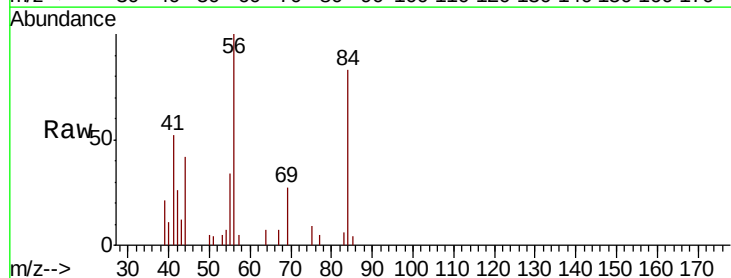
Tot Ion	Ratio	Lower	Upper
96	100		
61	115.2	84.7	157.3
68	0.0	0.0	0.0

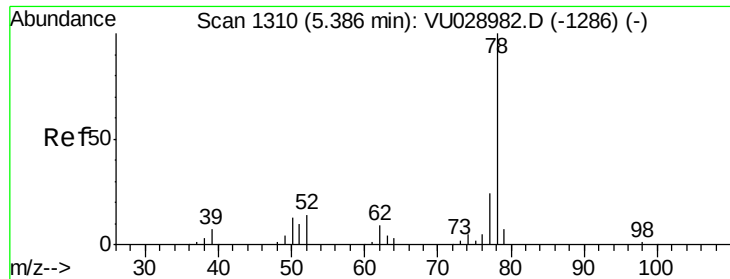


#30

Cyclohexane
 Concen: 0.416 ug/L
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VU028985.D
 Acq: 02 Jan 2019 12:29

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.0	24.8	37.2
84	98.9	69.1	103.7





#33

Benzene

Concen: 291.406 ug/L

RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU028985.D

Acq: 02 Jan 2019 12:29

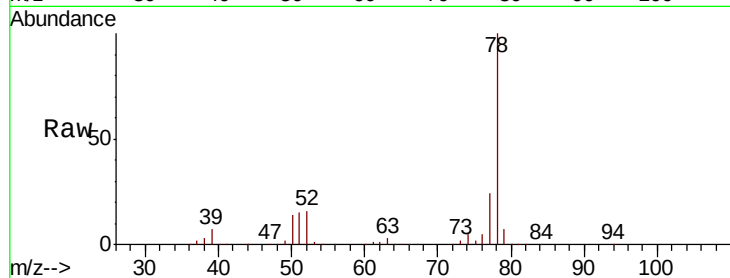
Instrument :

MSVOA_U

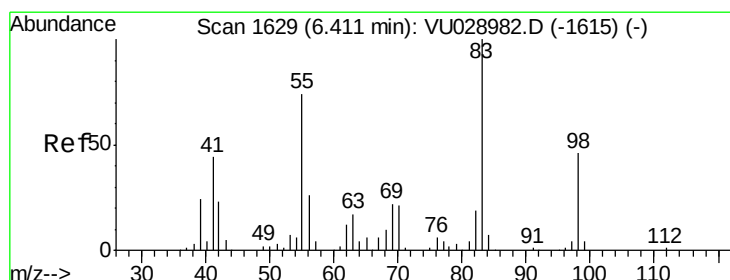
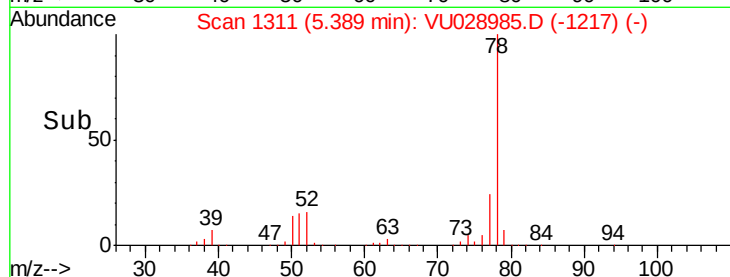
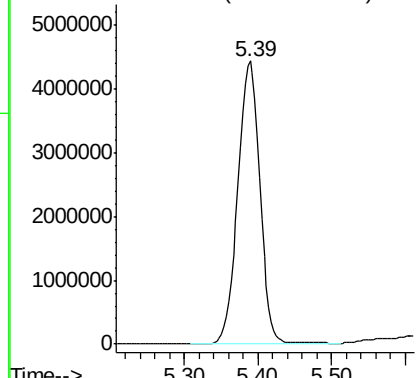
ClientSampleId :

BE803

Tgt Ion: 78 Resp: 9336789



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.213 ug/L

RT: 6.40 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VU028985.D

Acq: 02 Jan 2019 12:29

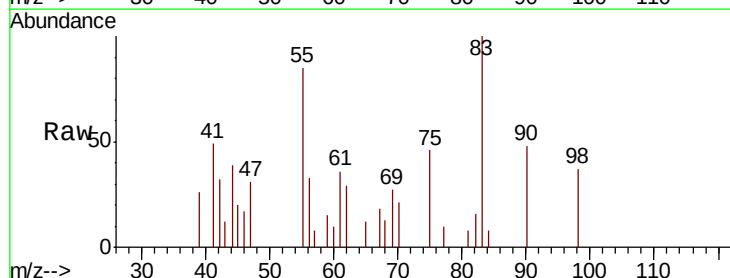
Tgt Ion: 83 Resp: 2999

Ion Ratio Lower Upper

83 100

55 77.5 59.8 89.6

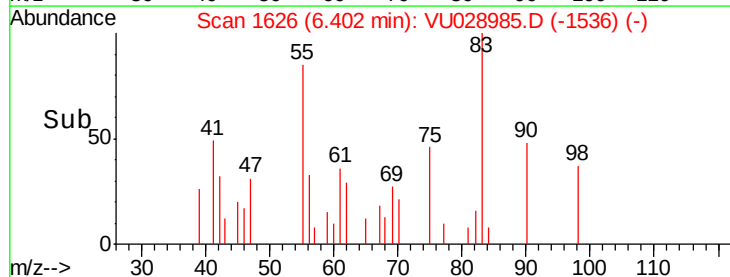
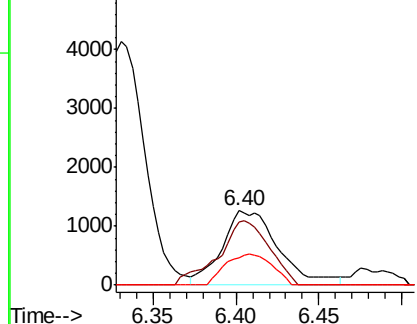
98 34.4 37.0 55.6#

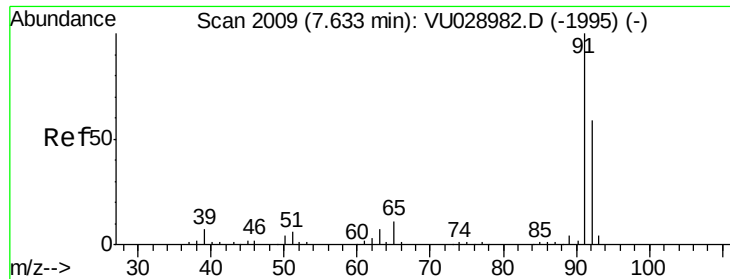


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#42

Toluene

Concen: 0.985 ug/L

RT: 7.63 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VU028985.D

Acq: 02 Jan 2019 12:29

Instrument :

MSVOA_U

ClientSampleId :

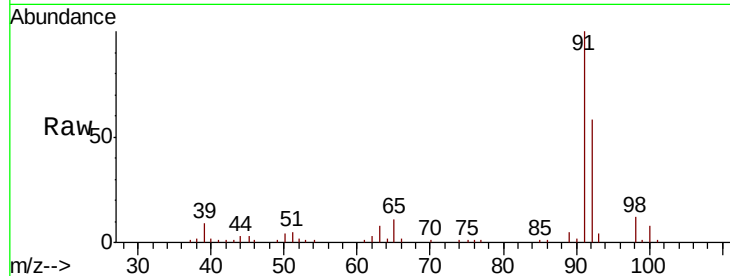
BE803

Tot Ion: 91 Resp: 33800

Ion Ratio Lower Upper

91 100

92 58.0 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU028985.D (-2100) (-)

Ion 92.15 (91.85 to 92.85): VU028985.D (-2100) (-)

7.63

20000

15000

10000

5000

0

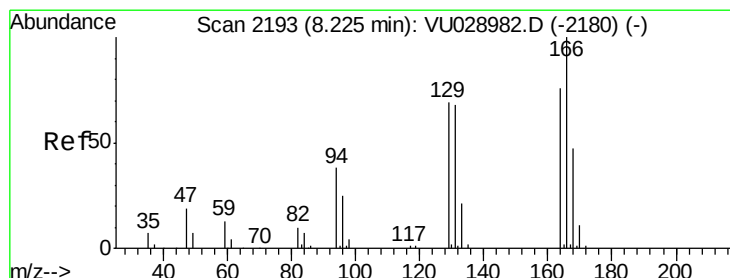
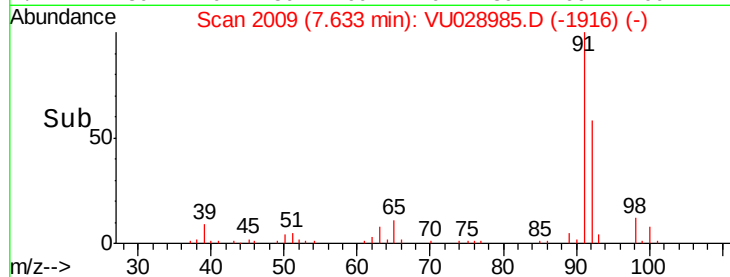
Time-->

7.55

7.60

7.65

7.70



#47

Tetrachloroethene

Concen: 0.210 ug/L

RT: 8.22 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU028985.D

Acq: 02 Jan 2019 12:29

Tgt Ion: 164 Resp: 1427

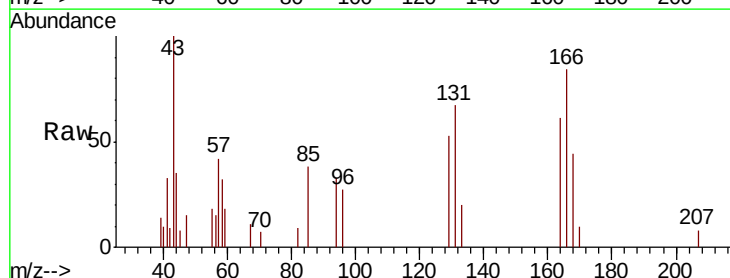
Ion Ratio Lower Upper

164 100

129 87.3 65.3 121.3

131 109.7 62.9 116.7

166 136.7 86.7 160.9



Abundance Ion 163.90 (163.60 to 164.60): VU028985.D (-2100) (-)

Ion 128.95 (128.65 to 129.65): VU028985.D (-2100) (-)

Ion 130.95 (130.65 to 131.65): VU028985.D (-2100) (-)

Ion 165.90 (165.60 to 166.60): VU028985.D (-2100) (-)

1500

1000

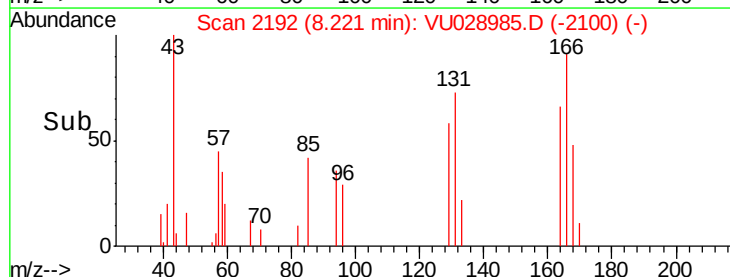
500

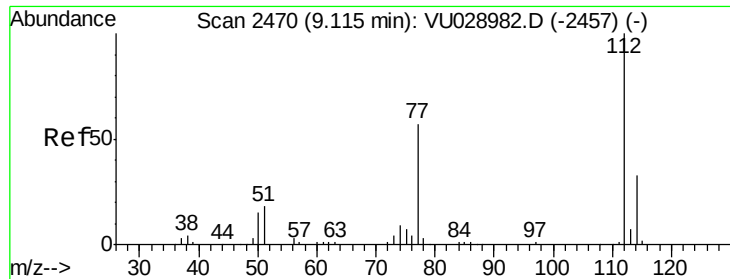
0

Time-->

8.20

8.25

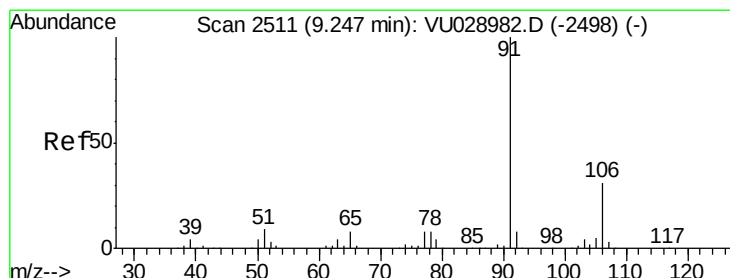
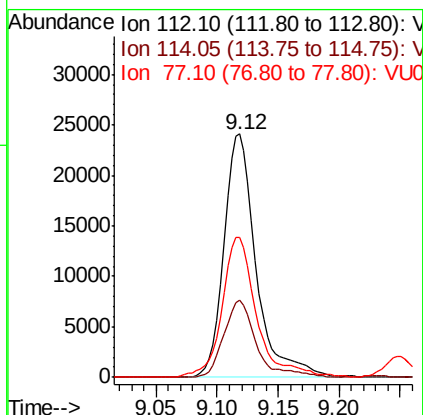
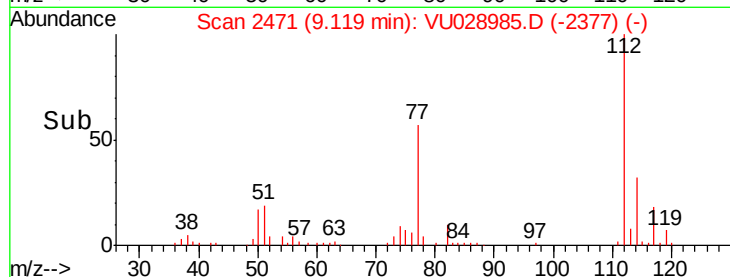
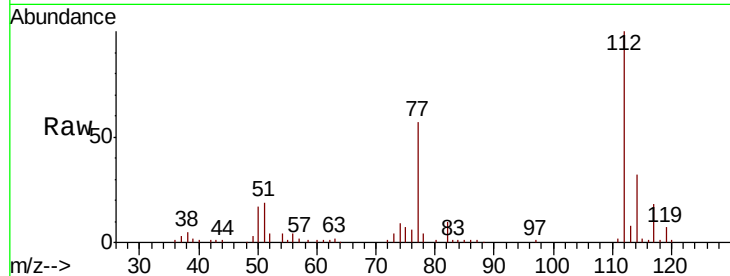




#51
Chlorobenzene
Concen: 2.072 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028985.D
Acq: 02 Jan 2019 12:29

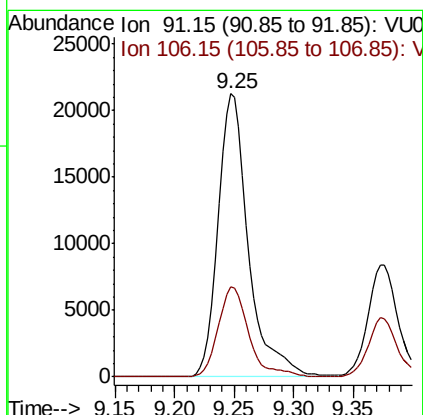
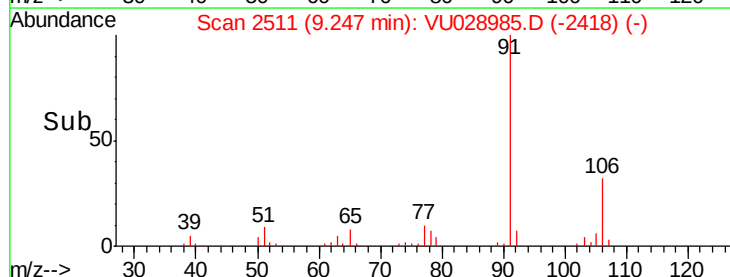
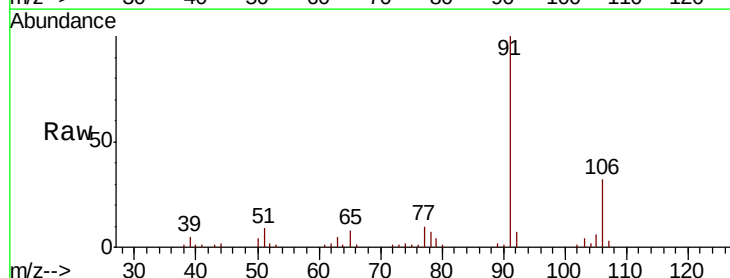
Instrument :
MSVOA_U
ClientSampleId :
BE803

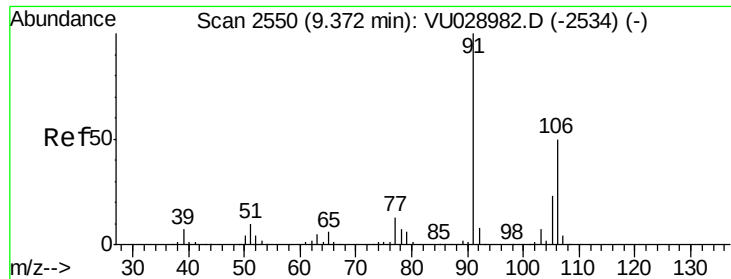
Tot Ion: 112 Resp: 44571
Ion Ratio Lower Upper
112 100
114 31.7 22.2 41.2
77 57.4 44.9 67.3



#52
Ethylbenzene
Concen: 1.036 ug/L
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU028985.D
Acq: 02 Jan 2019 12:29

Tgt Ion: 91 Resp: 37678
Ion Ratio Lower Upper
91 100
106 31.7 22.7 42.1





#53

m,p-xylene

Concen: 0.556 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU028985.D

Acq: 02 Jan 2019 12:29

Instrument :

MSVOA_U

ClientSampled :

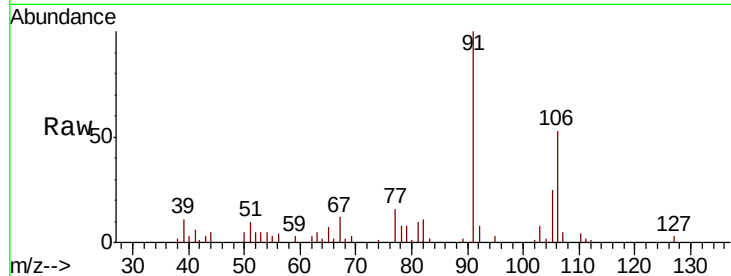
BE803

Tot Ion:106 Resp: 7705

Ion Ratio Lower Upper

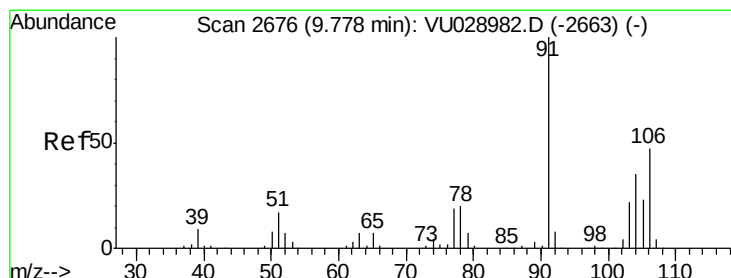
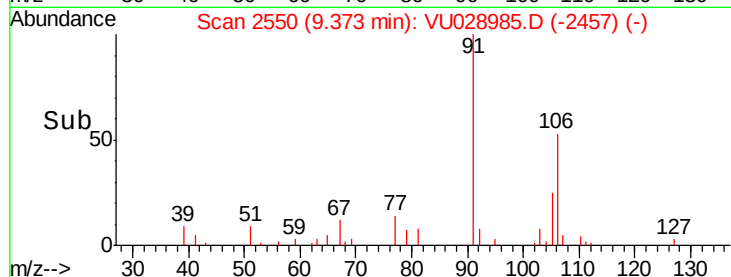
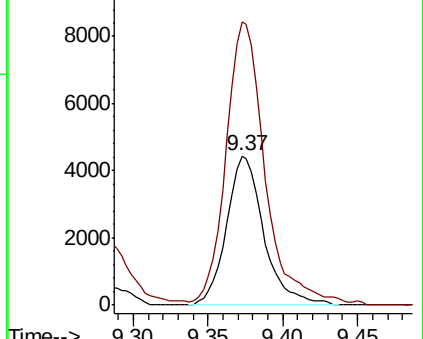
106 100

91 189.2 138.5 257.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-xylene

Concen: 1.588 ug/L

RT: 9.78 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VU028985.D

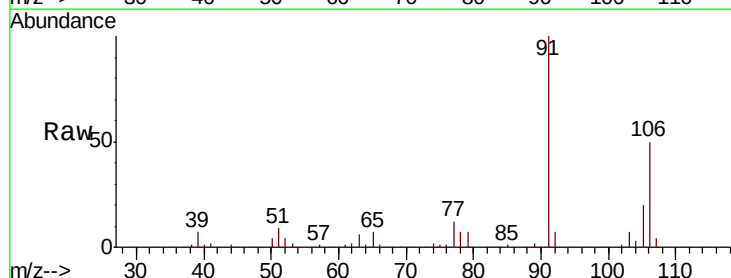
Acq: 02 Jan 2019 12:29

Tgt Ion:106 Resp: 21341

Ion Ratio Lower Upper

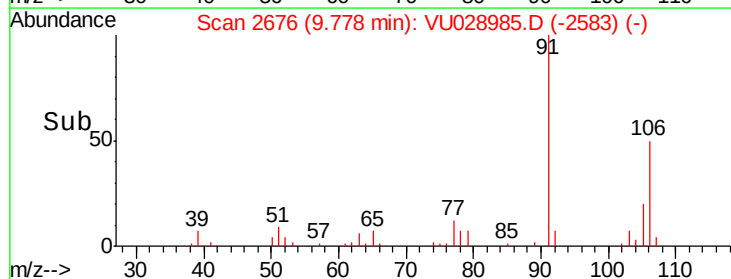
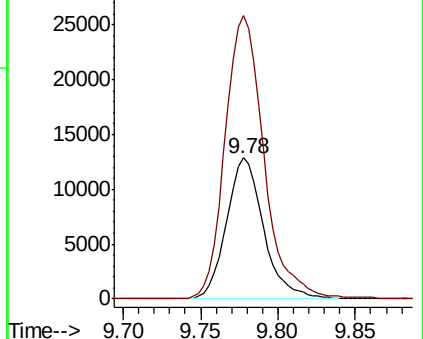
106 100

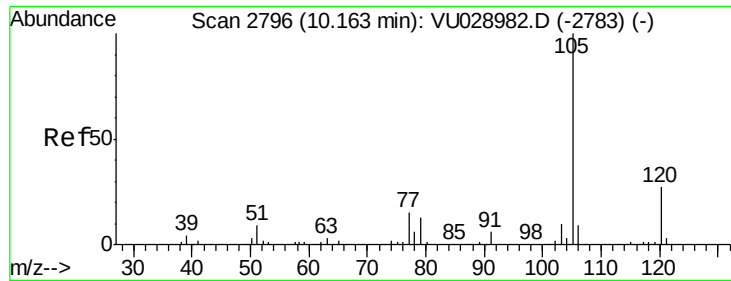
91 200.8 146.5 272.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 8.494 ug/L

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU028985.D

Acq: 02 Jan 2019 12:29

Instrument :

MSVOA_U

ClientSampleId :

BE803

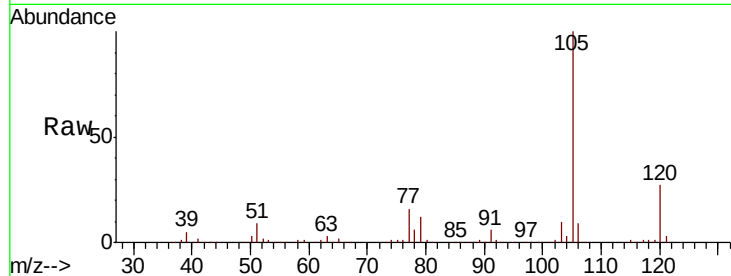
Tot Ion:105 Resp: 301101

Ion Ratio Lower Upper

105 100

120 26.8 20.9 31.3

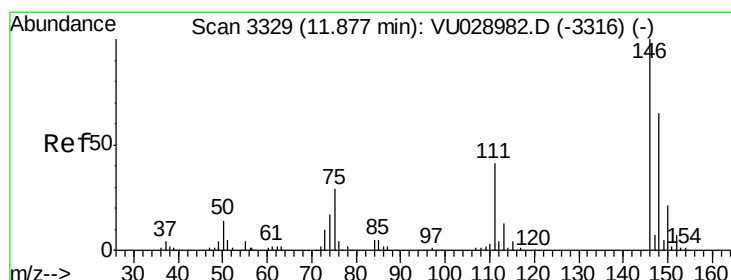
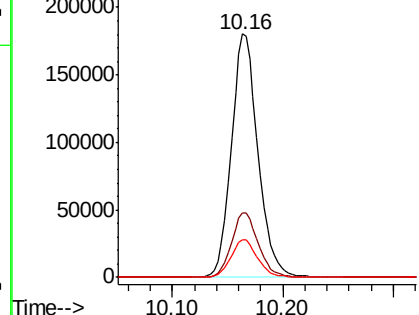
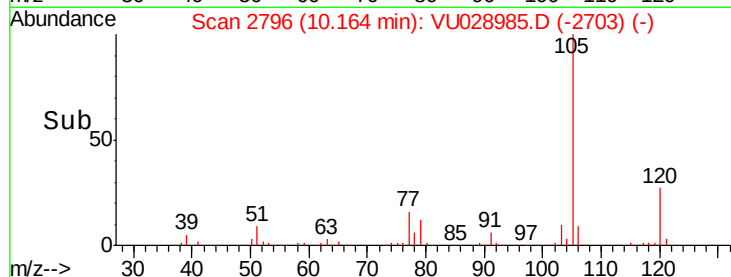
77 15.6 12.0 18.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#65

1,2-Dichlorobenzene

Concen: 0.351 ug/L

RT: 11.88 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VU028985.D

Acq: 02 Jan 2019 12:29

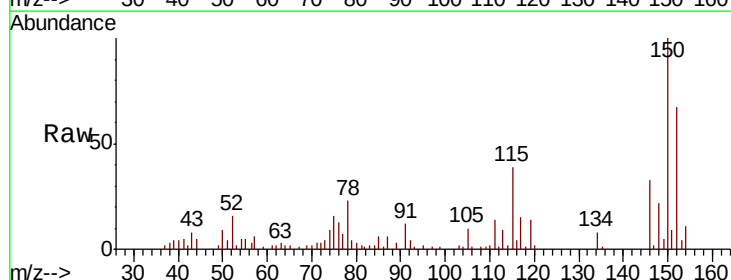
Tgt Ion:146 Resp: 5604

Ion Ratio Lower Upper

146 100

111 41.4 32.2 48.4

148 65.8 53.2 79.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

