

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112118\
 Data File : VV008695.D
 Acq On : 21 Nov 2018 12:51
 Operator : SY/MD
 Sample : J6026-06
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FK5

Quant Time: Nov 22 01:01:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 22 00:36:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	4234	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	3740	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	1496	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	1410	7.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	150.00%#
7) Chloroethane-d5	1.59	69	1192	7.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	154.00%#
11) 1,1-Dichloroethene-d2	2.14	63	1992	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.40%
20) 2-Butanone-d5	3.96	46	2187	32.50	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	65.00%
24) Chloroform-d	4.41	84	2233	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
26) 1,2-Dichloroethane-d4	5.09	65	1123	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
32) Benzene-d6	5.10	84	4818	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.13	67	1369	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.00%
41) Toluene-d8	7.36	98	4204	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	0.00	79	0d	0.00	ug/L	
Spiked Amount	5.000	Range	55 - 130	Recovery	=	0.00%#
46) 2-Hexanone-d5	8.14	63	1174	21.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	43.20%#
57) 1,1,2,2-Tetrachloroethane-	10.26	84	906	4.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	1310	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

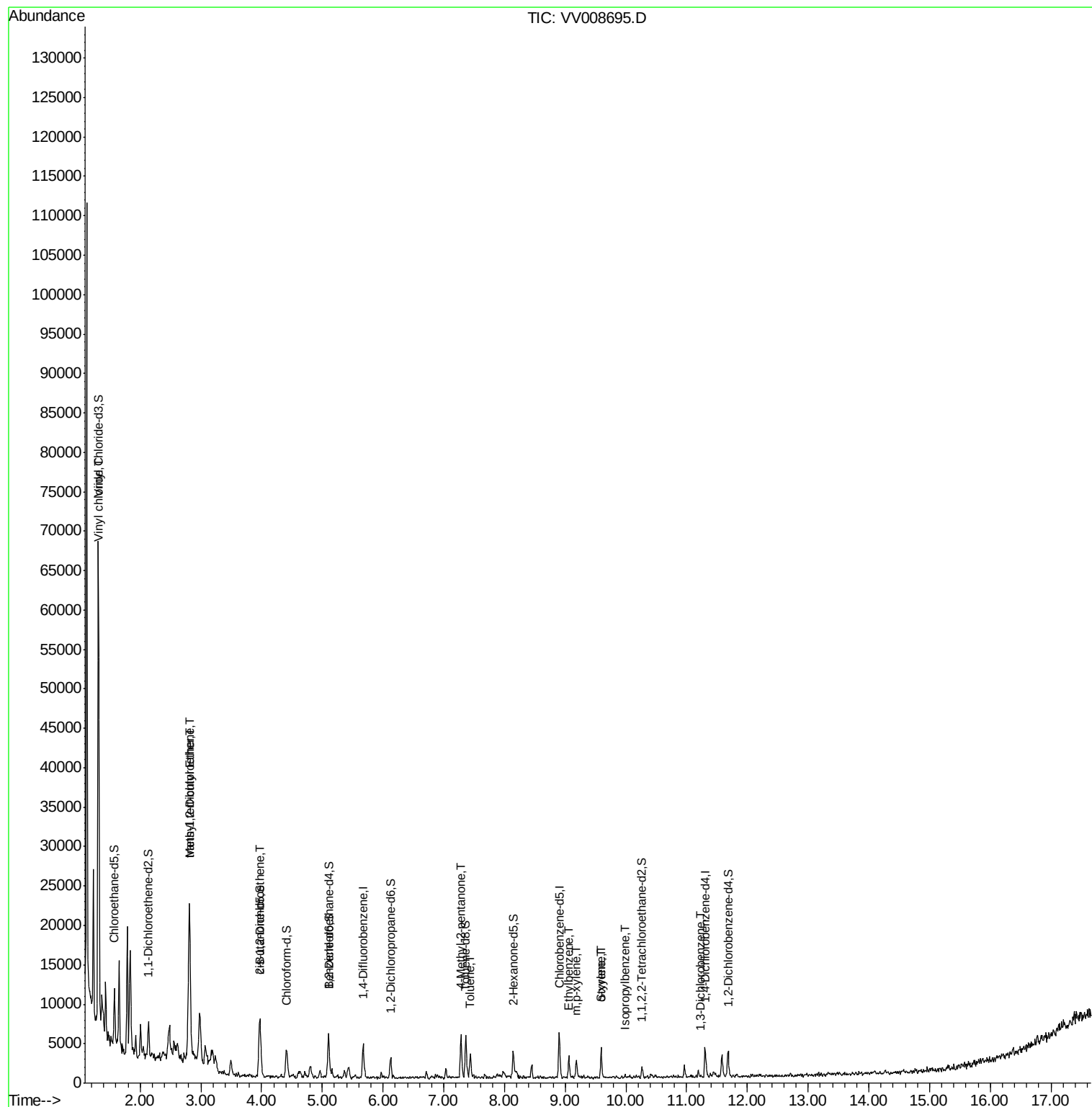
					Qvalue
5) Vinyl chloride	1.32	62	740	2.764	ug/L # 70
17) Methyl tert-butyl Ether	2.81	73	17546	33.587	ug/L # 91
18) trans-1,2-Dichloroethene	2.80	96	1395	6.547	ug/L # 70
22) cis-1,2-Dichloroethene	3.97	96	3703	11.514	ug/L 94
40) 4-Methyl-2-pentanone	7.28	43	4164	22.826	ug/L # 94
42) Toluene	7.44	91	2420	1.959	ug/L 90
52) Ethylbenzene	9.06	91	2334	1.716	ug/L 99
53) m,p-xylene	9.18	106	706	1.404	ug/L 80
54) o-xylene	9.59	106	934	1.909	ug/L 97
55) Styrene	9.60	104	111	0.141	ug/L # 67
56) Isopropylbenzene	9.98	105	345	0.263	ug/L # 65
62) 1,3-Dichlorobenzene	11.23	146	42	0.086	ug/L # 26

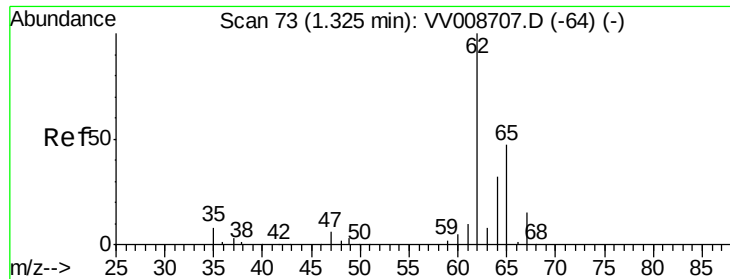
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 22 00:36:45 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.764 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008695.D

Acq: 21 Nov 2018 12:51

Instrument :

MSVOA_V

ClientSampleId :

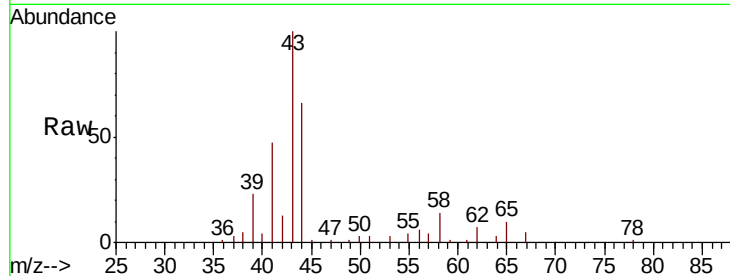
H0FK5

Tgt Ion: 62 Resp: 740

Ion Ratio Lower Upper

62 100

64 50.6 23.4 43.4#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

800

600

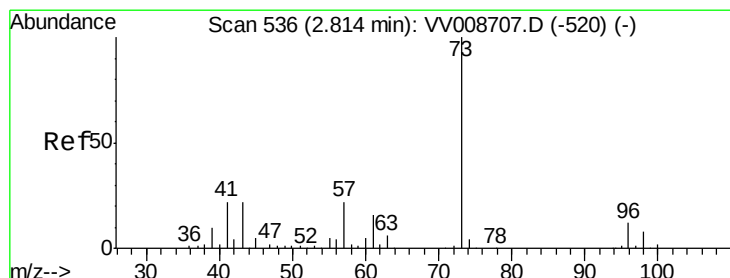
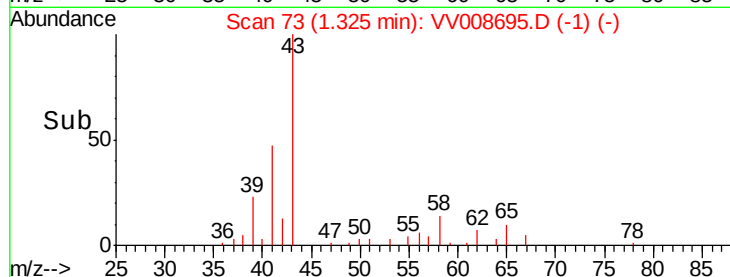
400

200

0

1.30 1.32 1.34

Time-->



#17

Methyl tert-butyl Ether

Concen: 33.587 ug/L

RT: 2.81 min Scan# 535

Delta R.T. -0.00 min

Lab File: VV008695.D

Acq: 21 Nov 2018 12:51

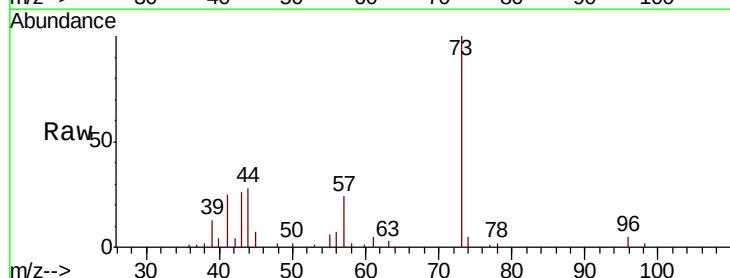
Tgt Ion: 73 Resp: 17546

Ion Ratio Lower Upper

73 100

43 25.0 18.1 27.1

57 29.0 17.9 26.9#



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0

10000

8000

6000

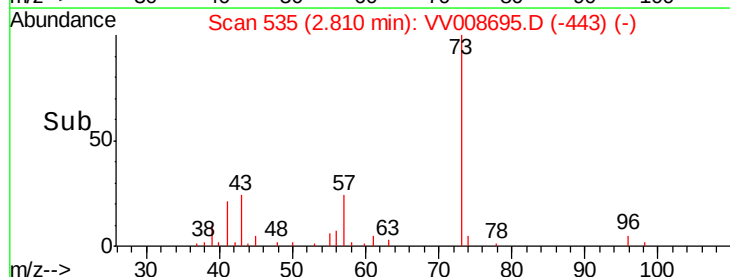
4000

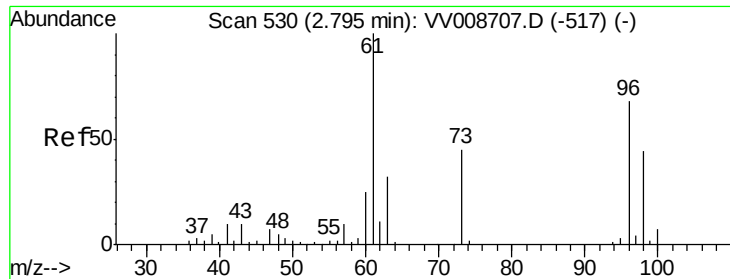
2000

0

2.75 2.80 2.85 2.90

Time-->

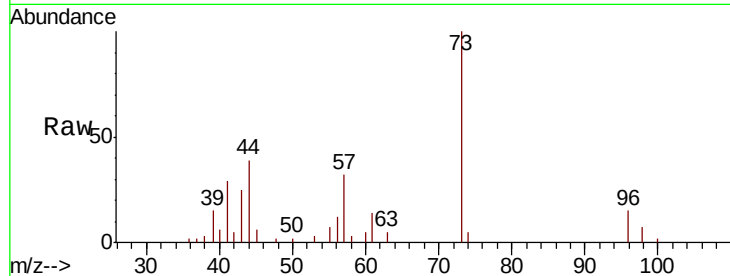




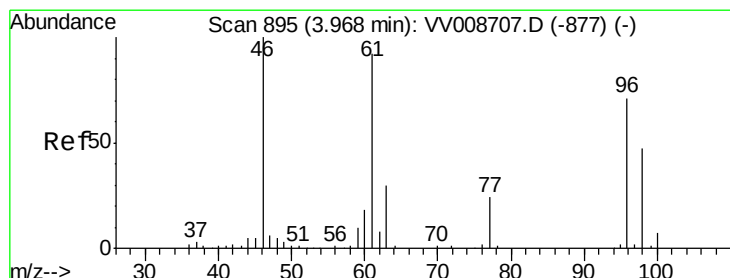
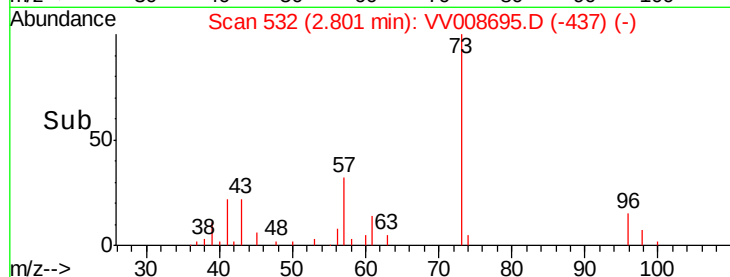
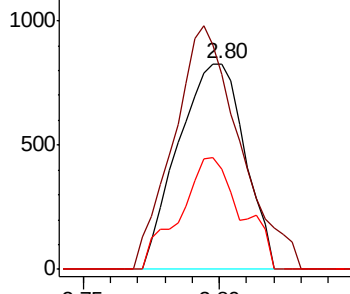
#18
 trans-1,2-Dichloroethene
 Concen: 6.547 ug/L
 RT: 2.80 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VV008695.D
 Acq: 21 Nov 2018 12:51

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FK5

Tgt Ion: 96 Resp: 1395
 Ion Ratio Lower Upper
 96 100
 61 94.7 97.1 180.3#
 98 48.9 41.9 77.7

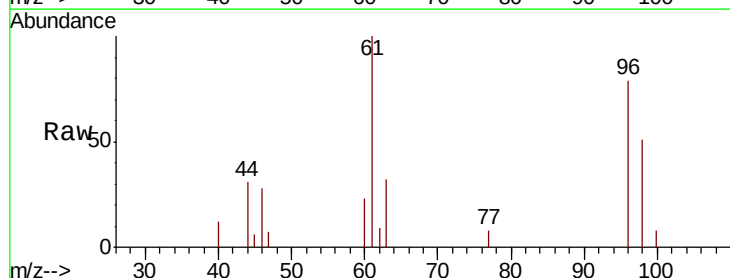


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0

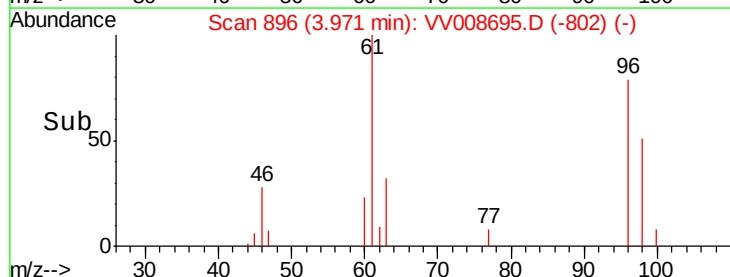
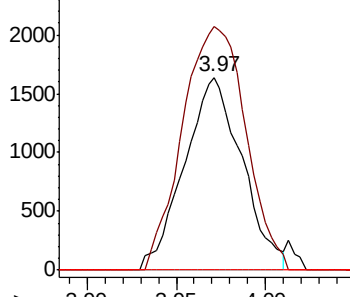


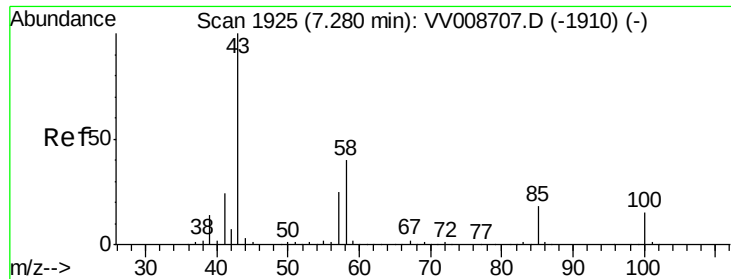
#22
 cis-1,2-Dichloroethene
 Concen: 11.514 ug/L
 RT: 3.97 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VV008695.D
 Acq: 21 Nov 2018 12:51

Tgt Ion: 96 Resp: 3703
 Ion Ratio Lower Upper
 96 100
 61 126.1 93.2 173.2
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

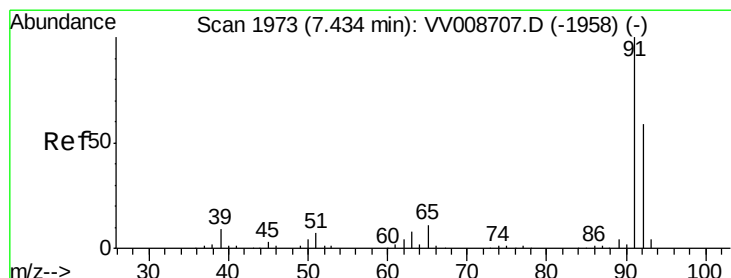
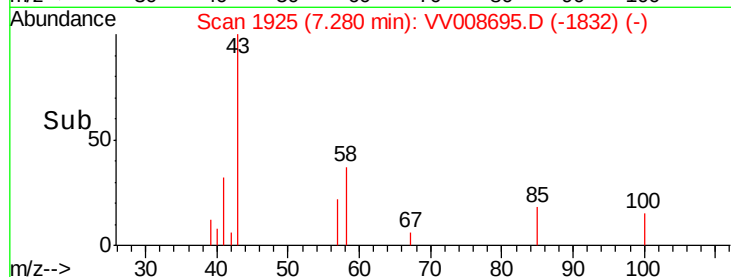
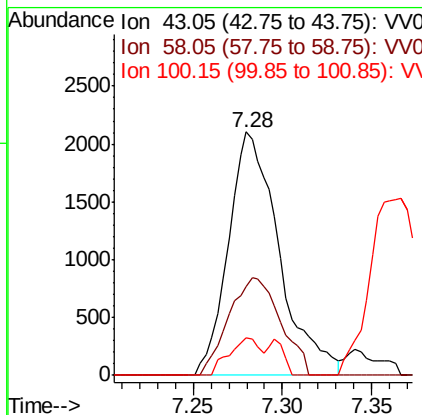
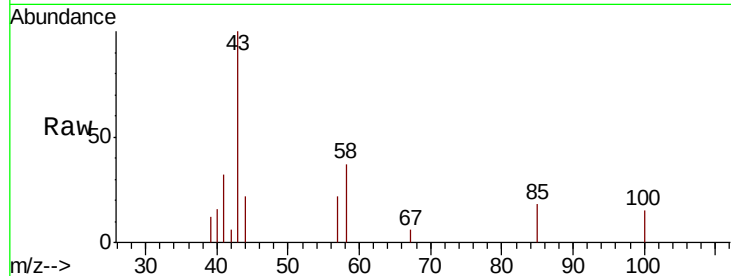




#40
 4-Methyl-2-pentanone
 Concen: 22.826 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. -0.00 min
 Lab File: VV008695.D
 Acq: 21 Nov 2018 12:51

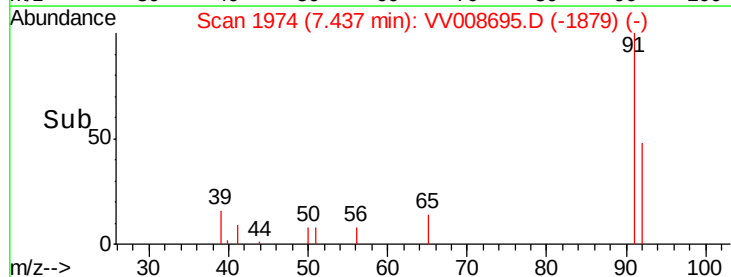
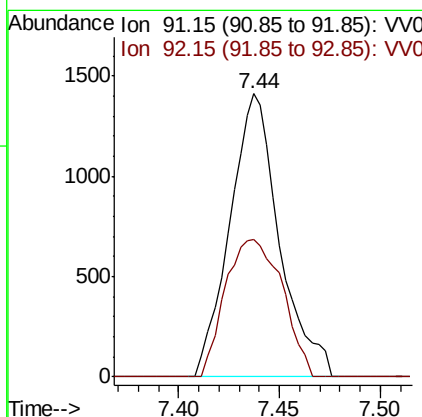
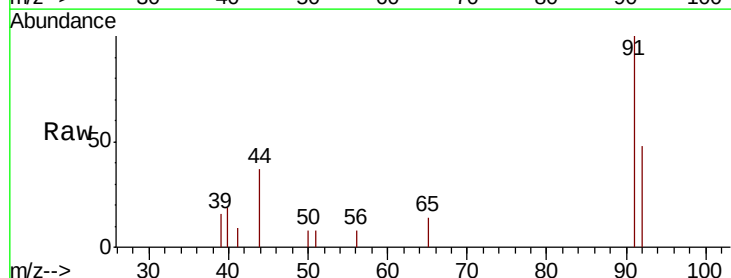
Instrument :
 MSVOA_V
 ClientSampleId :
 H0FK5

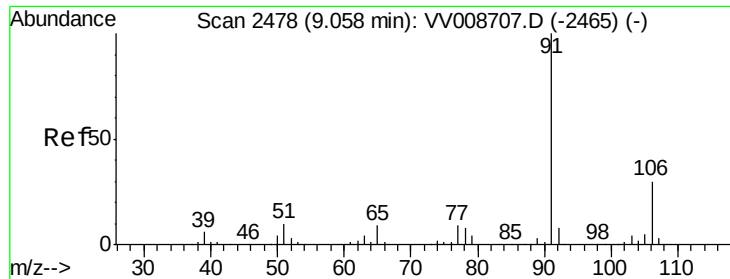
Tgt Ion: 43 Resp: 4164
 Ion Ratio Lower Upper
 43 100
 58 41.0 31.0 46.4
 100 9.5 11.1 16.7#



#42
 Toluene
 Concen: 1.959 ug/L
 RT: 7.44 min Scan# 1974
 Delta R.T. 0.01 min
 Lab File: VV008695.D
 Acq: 21 Nov 2018 12:51

Tgt Ion: 91 Resp: 2420
 Ion Ratio Lower Upper
 91 100
 92 48.4 39.1 72.5





#52

Ethylbenzene

Concen: 1.716 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008695.D

Acq: 21 Nov 2018 12:51

Instrument :

MSVOA_V

ClientSampleId :

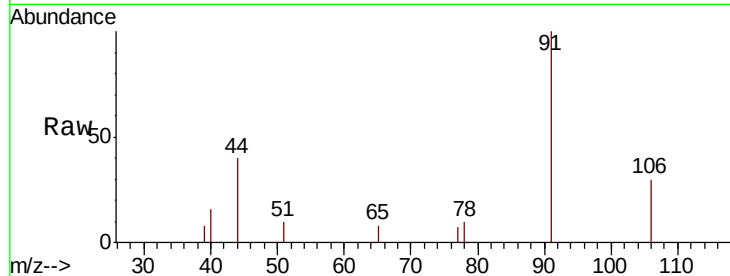
H0FK5

Tgt Ion: 91 Resp: 2334

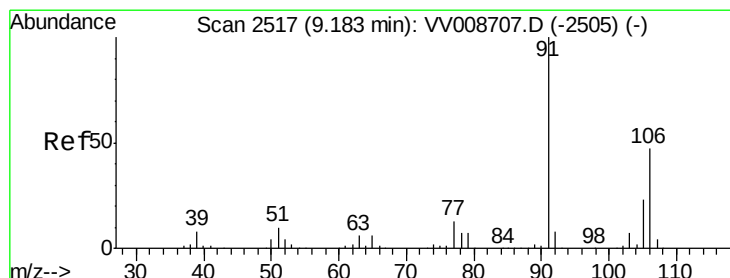
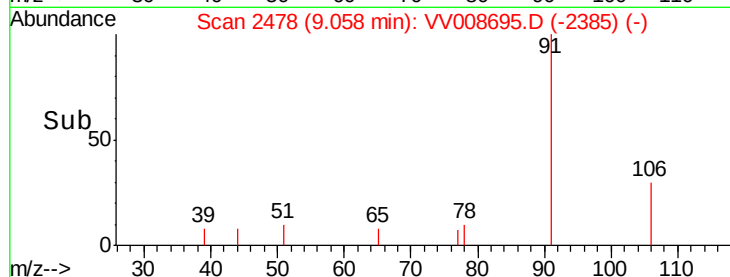
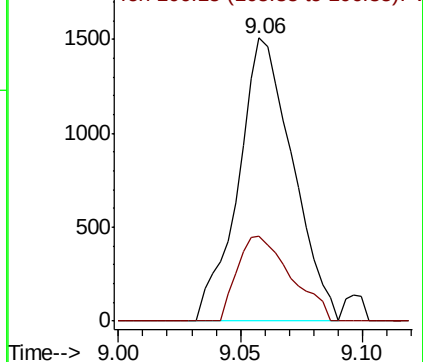
Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VV008707.D (-2465) (-)



#53

m,p-xylene

Concen: 1.404 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008695.D

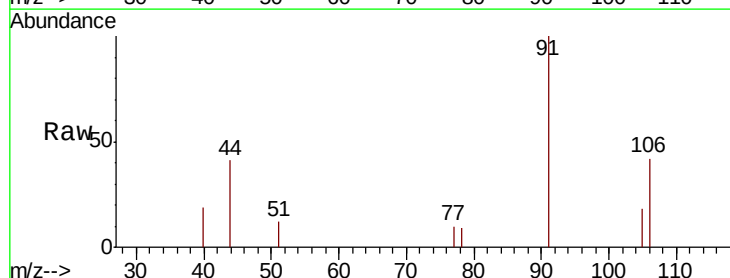
Acq: 21 Nov 2018 12:51

Tgt Ion: 106 Resp: 706

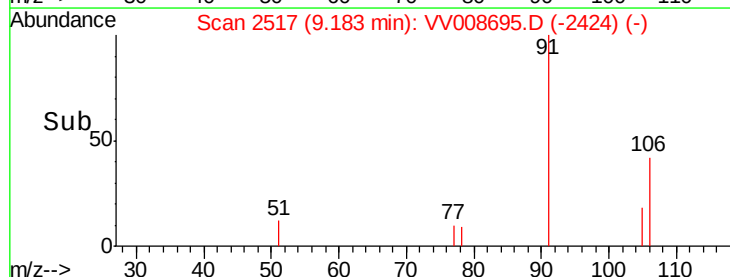
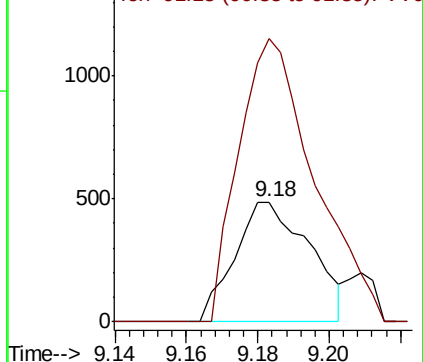
Ion Ratio Lower Upper

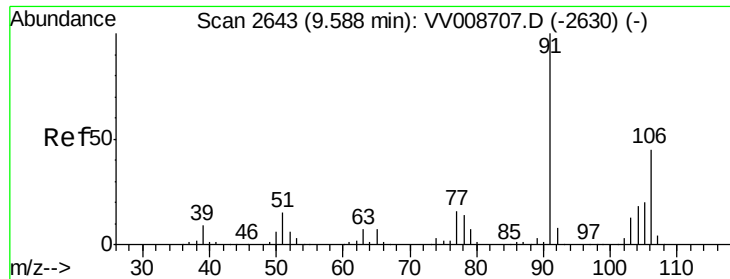
106 100

91 236.3 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): VV008707.D (-2505) (-)

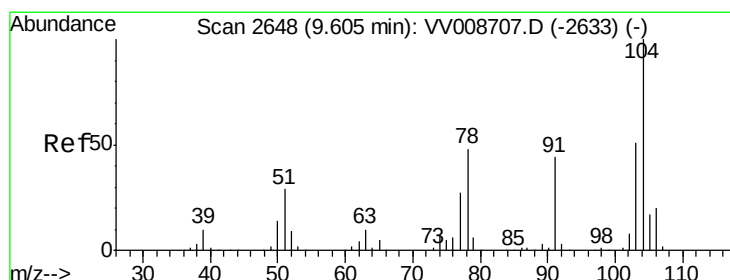
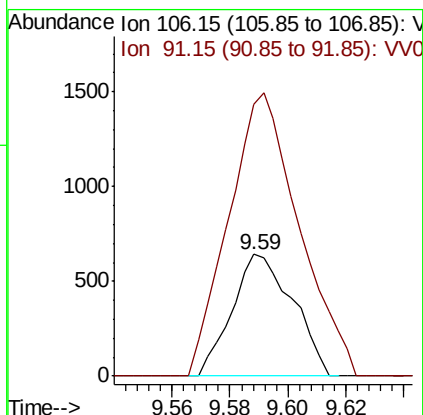
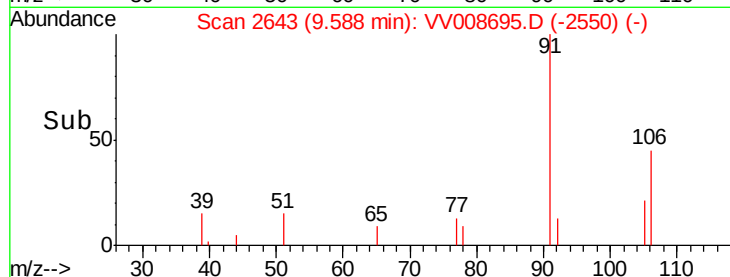
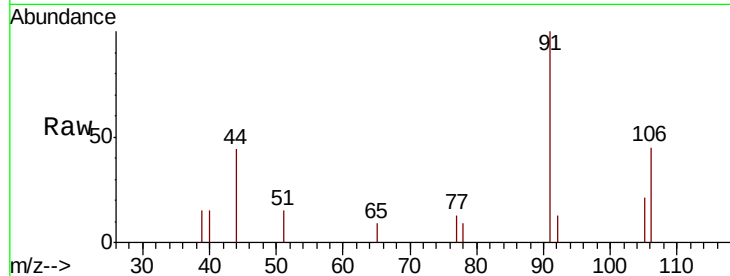




#54
o-xylene
Concen: 1.909 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV008695.D
Acq: 21 Nov 2018 12:51

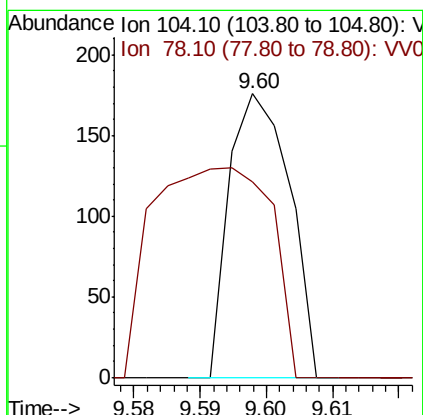
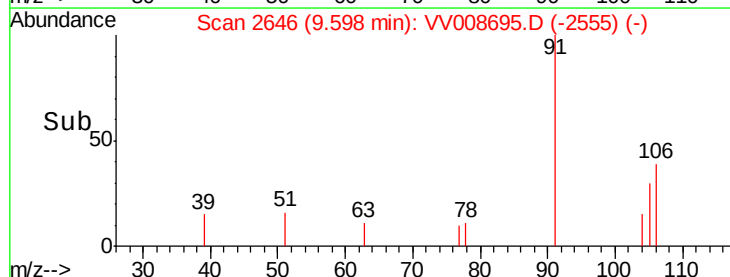
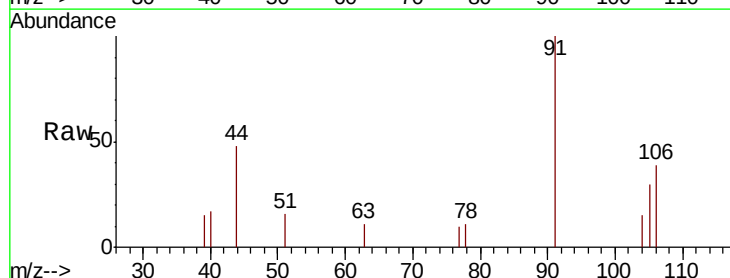
Instrument :
MSVOA_V
ClientSampled :
H0FK5

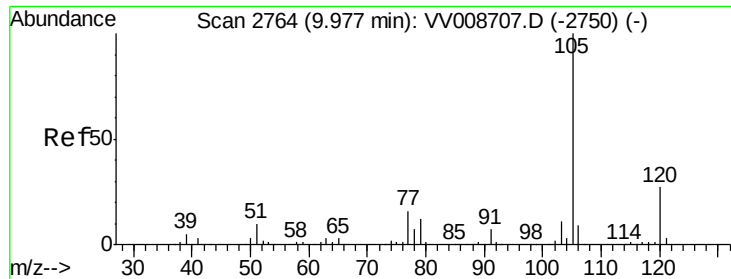
Tgt Ion:106 Resp: 934
Ion Ratio Lower Upper
106 100
91 223.9 152.9 284.1



#55
Styrene
Concen: 0.141 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.01 min
Lab File: VV008695.D
Acq: 21 Nov 2018 12:51

Tgt Ion:104 Resp: 111
Ion Ratio Lower Upper
104 100
78 68.8 32.9 61.1#





#56

Isopropylbenzene

Concen: 0.263 ug/L

RT: 9.98 min Scan# 2766

Delta R.T. 0.01 min

Lab File: VV008695.D

Acq: 21 Nov 2018 12:51

Instrument :

MSVOA_V

ClientSampleId :

H0FK5

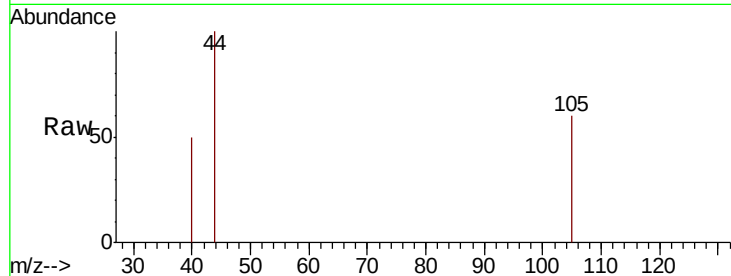
Tgt Ion:105 Resp: 345

Ion Ratio Lower Upper

105 100

120 0.0 21.0 31.6#

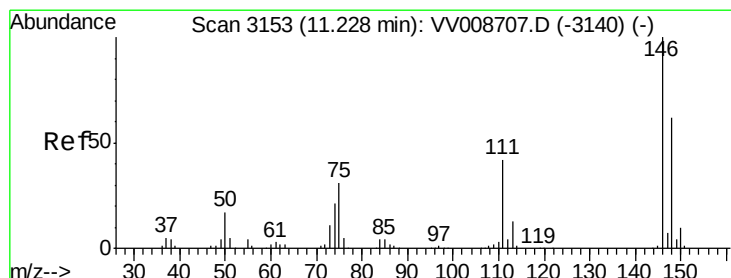
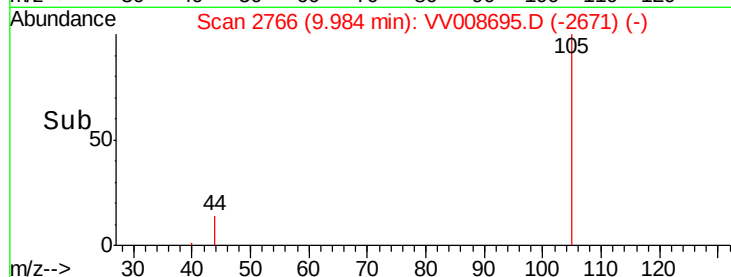
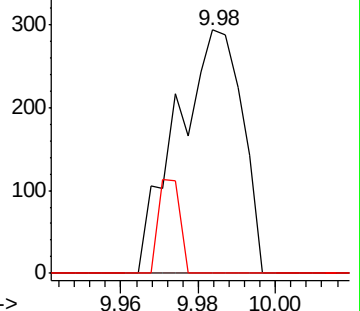
77 12.5 13.0 19.4#



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



#62

1,3-Dichlorobenzene

Concen: 0.086 ug/L

RT: 11.23 min Scan# 3155

Delta R.T. 0.01 min

Lab File: VV008695.D

Acq: 21 Nov 2018 12:51

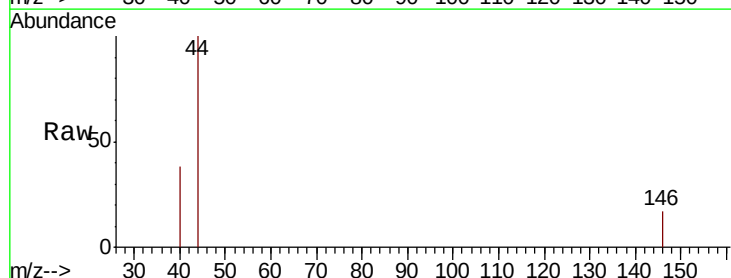
Tgt Ion:146 Resp: 42

Ion Ratio Lower Upper

146 100

111 0.0 28.1 52.1#

148 0.0 43.0 80.0#



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

