

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081720\
 Data File : VV018033.D
 Acq On : 17 Aug 2020 18:20
 Operator : SY/MD
 Sample : L3665-21
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4M10

Quant Time: Aug 18 01:28:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 18 01:23:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	255537	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	254191	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	125432	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	83429	42.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.58%
7) Chloroethane-d5	1.58	69	72184	45.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.50%
11) 1,1-Dichloroethene-d2	2.12	63	124401	33.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.72%
21) 2-Butanone-d5	3.90	46	133622	104.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.64%
24) Chloroform-d	4.37	84	149281	42.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.12%
26) 1,2-Dichloroethane-d4	5.06	65	109184	47.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.72%
32) Benzene-d6	5.07	84	316539	45.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.38%
36) 1,2-Dichloropropane-d6	6.09	67	104589	45.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.34%
41) Toluene-d8	7.34	98	278157	44.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.30%
43) trans-1,3-Dichloropropene-	7.64	79	46155	44.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.86%
47) 2-Hexanone-d5	8.11	63	71461	97.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.23%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	139072	46.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.26%
64) 1,2-Dichlorobenzene-d4	11.65	152	119385	48.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.72%

Target Compounds

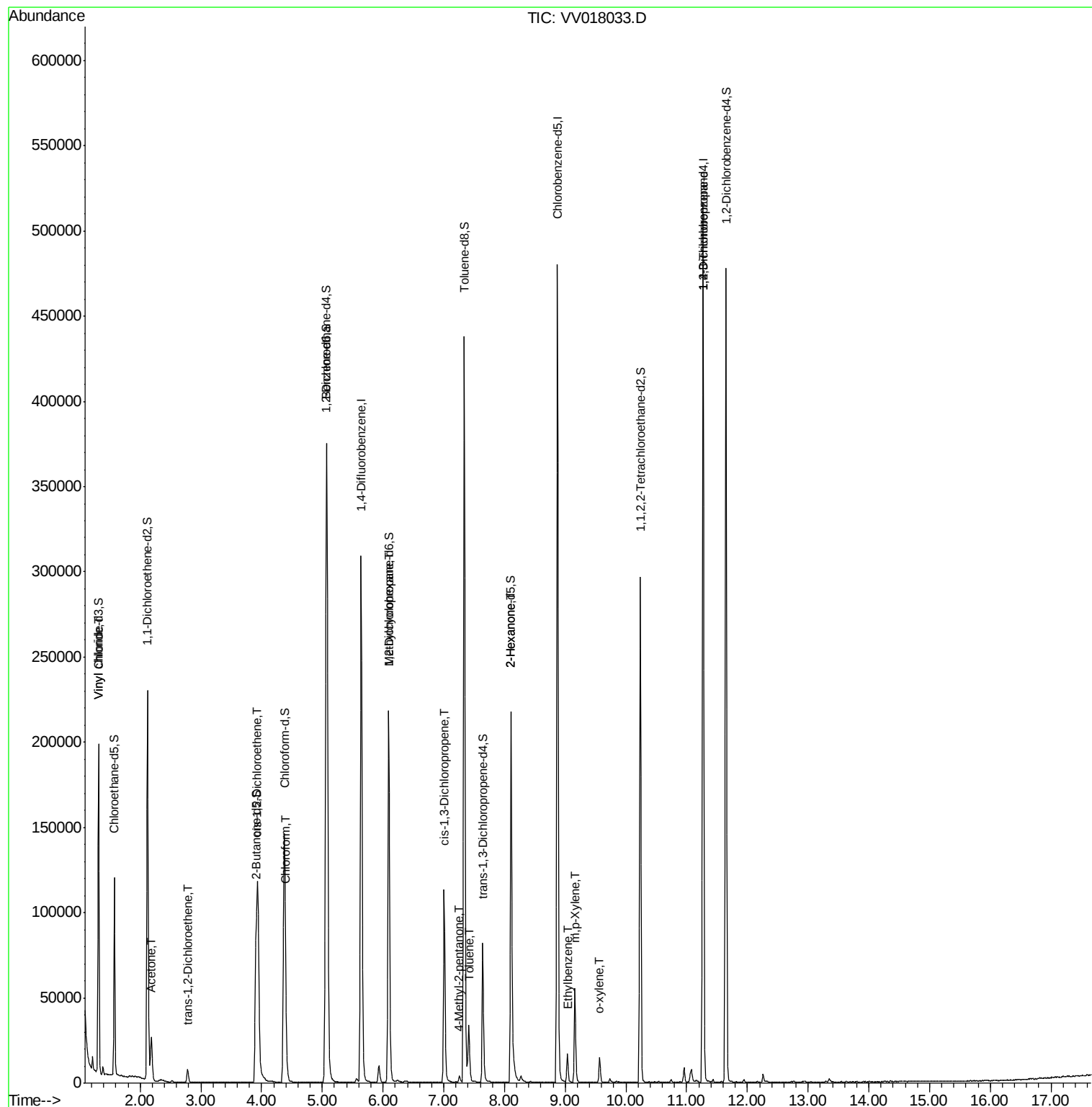
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	41243	18.164	ug/L	98
13) Acetone	2.18	43	28939	21.940	ug/L	96
17) trans-1,2-Dichloroethene	2.78	96	2912	1.653	ug/L	86
20) cis-1,2-Dichloroethene	3.94	96	52314	27.017	ug/L	99
25) Chloroform	4.40	83	11656	3.225	ug/L	99
35) Methylcyclohexane	6.09	83	24520	7.933	ug/L #	17
39) cis-1,3-Dichloropropene	7.01	75	2764	0.909	ug/L #	64
40) 4-Methyl-2-pentanone	7.25	43	2943	1.050	ug/L #	91
42) Toluene	7.41	91	22952	2.797	ug/L	98
48) 2-Hexanone	8.11	43	9553	4.225	ug/L #	71
52) Ethylbenzene	9.04	91	11853	1.325	ug/L	97
53) m,p-Xylene	9.16	106	15195	4.617	ug/L	95
54) o-xylene	9.57	106	4003	1.231	ug/L	96
59) 1,2,3-Trichloropropane	11.27	75	15447	5.832	ug/L	90

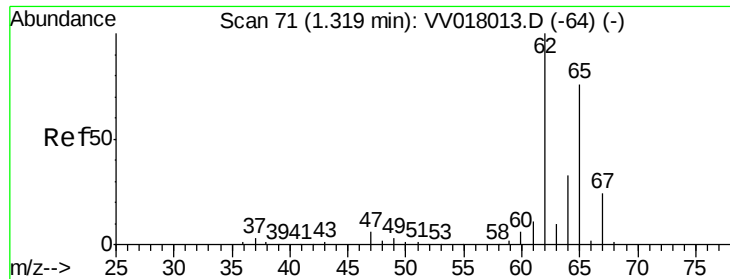
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Aug 18 01:23:44 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 18.164 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018033.D

Acq: 17 Aug 2020 18:20

Instrument :

MSVOA_V

ClientSampleId :

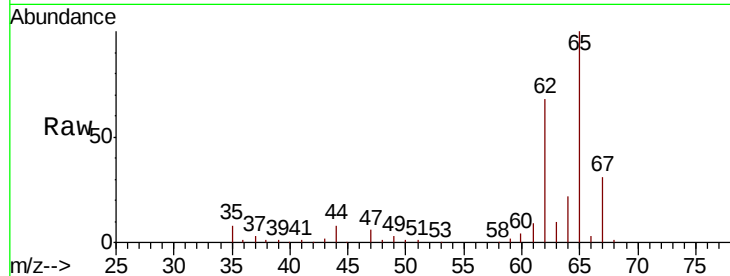
F4M10

Tot Ion: 62 Resp: 41243

Ion Ratio Lower Upper

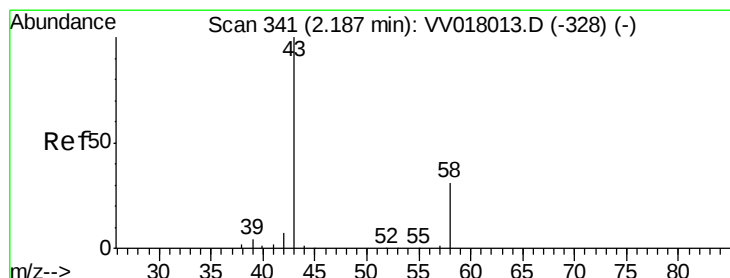
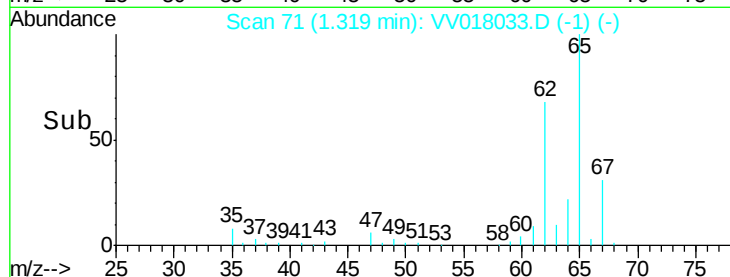
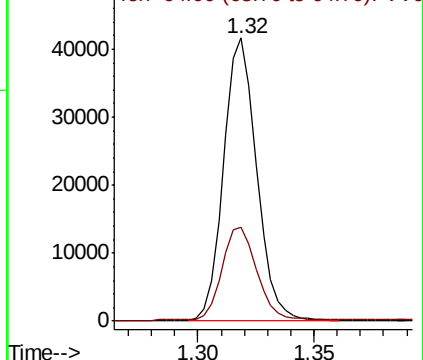
62 100

64 33.2 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#13

Acetone

Concen: 21.940 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV018033.D

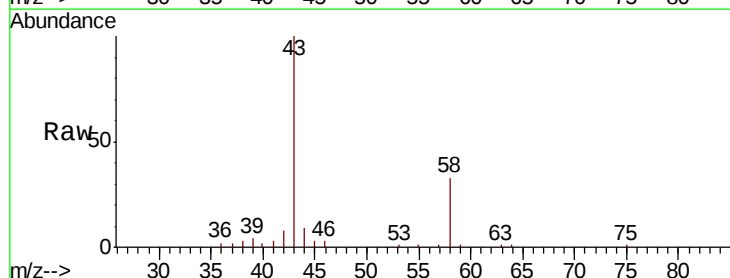
Acq: 17 Aug 2020 18:20

Tgt Ion: 43 Resp: 28939

Ion Ratio Lower Upper

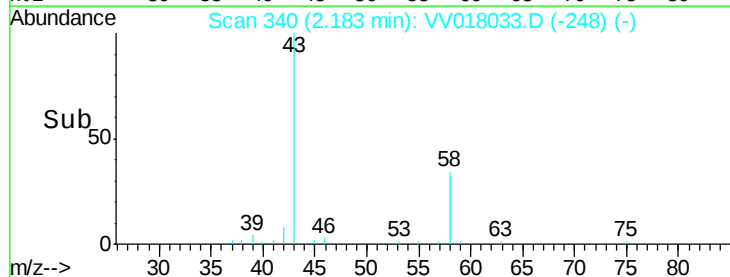
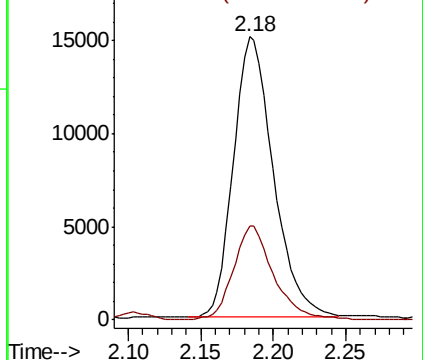
43 100

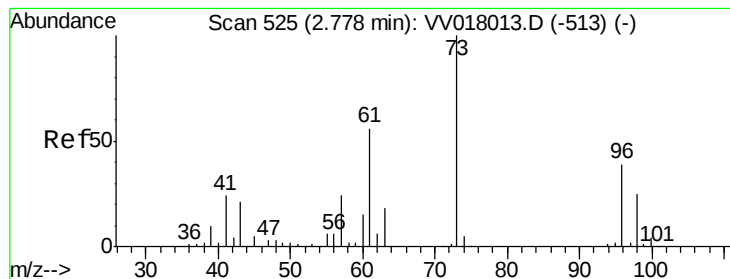
58 33.8 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 1.653 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV018033.D

Acq: 17 Aug 2020 18:20

Instrument :

MSVOA_V

ClientSampleId :

F4M10

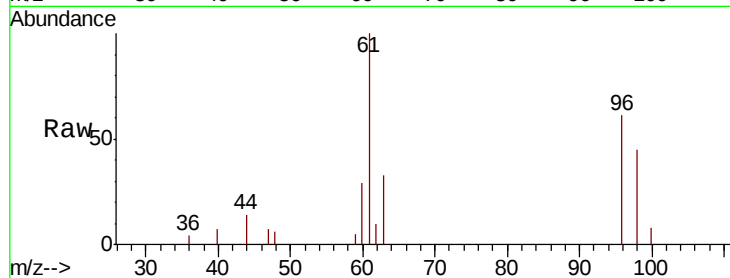
Tot Ion: 96 Resp: 2912

Ion Ratio Lower Upper

96 100

61 164.2 102.4 190.2

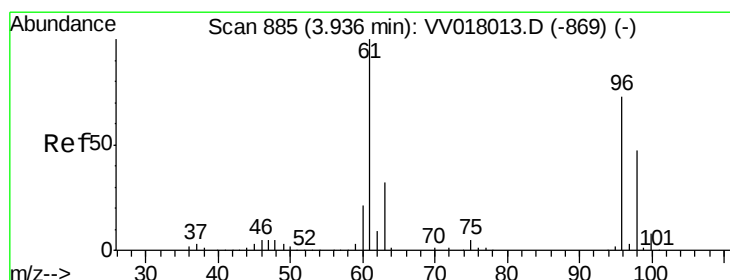
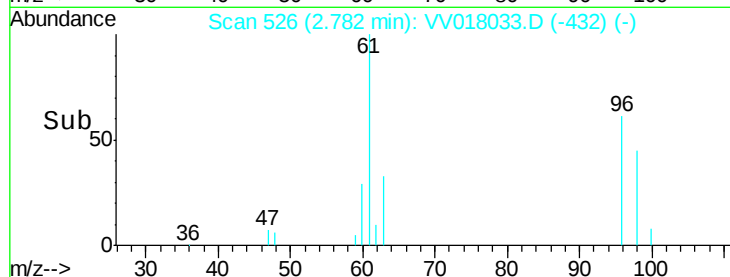
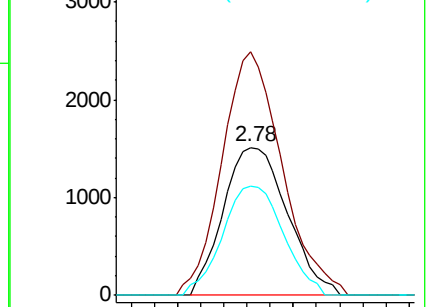
98 73.8 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 27.017 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV018033.D

Acq: 17 Aug 2020 18:20

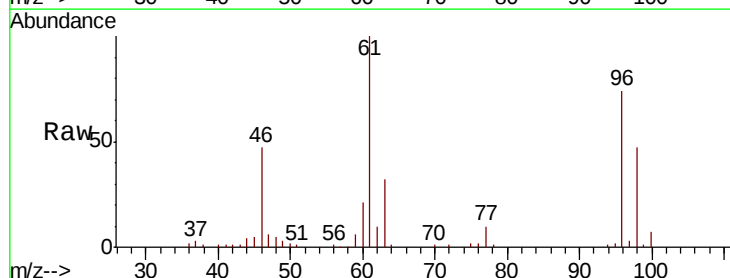
Tgt Ion: 96 Resp: 52314

Ion Ratio Lower Upper

96 100

61 134.5 95.0 176.4

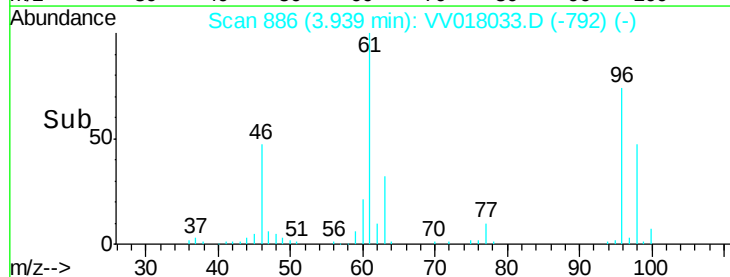
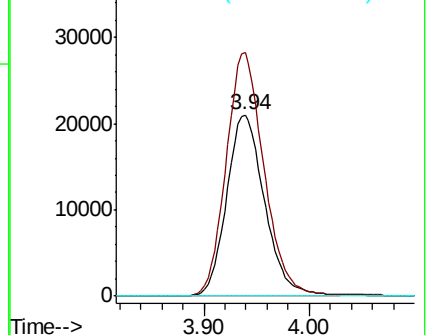
68 0.0 0.0 0.0

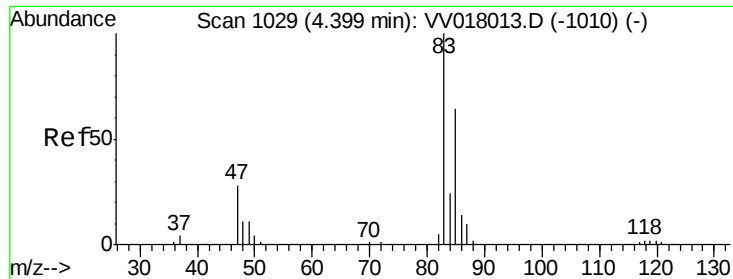


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

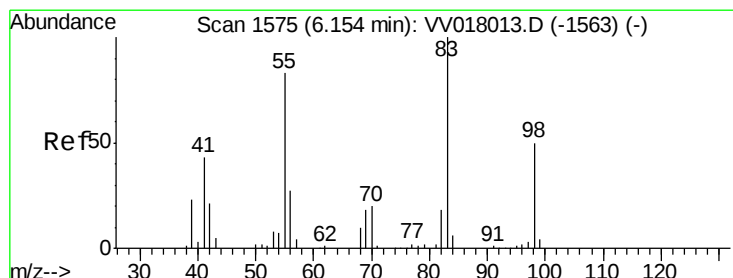
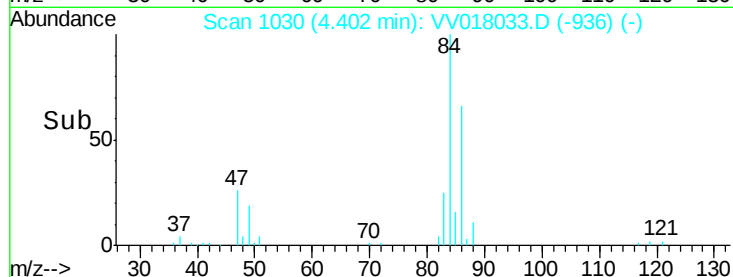
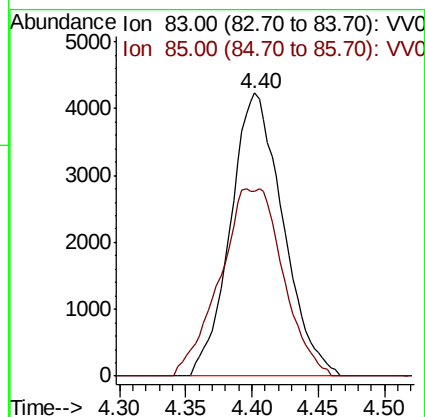
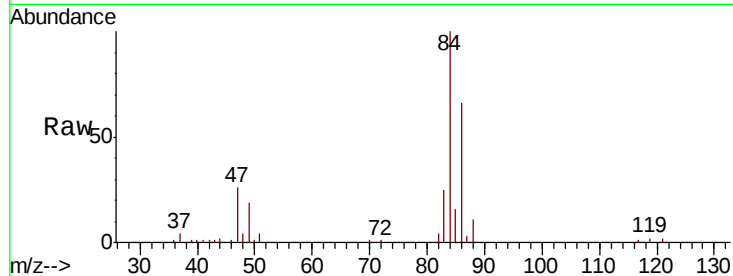




#25
Chloroform
Concen: 3.225 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018033.D
Acq: 17 Aug 2020 18:20

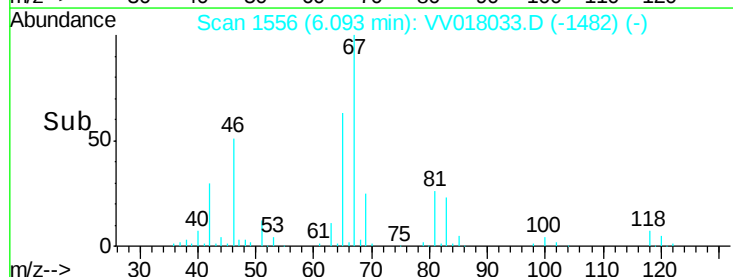
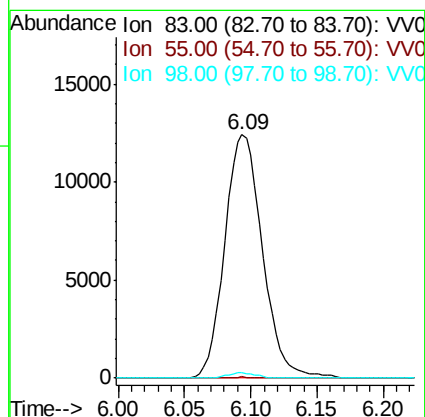
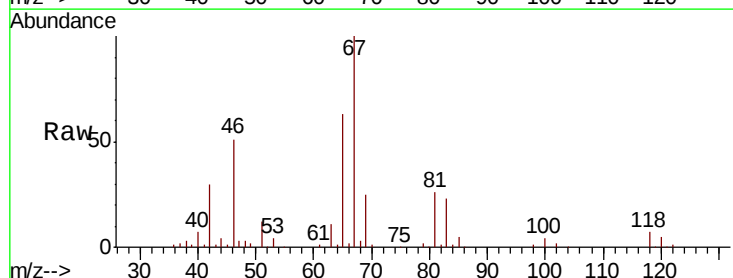
Instrument :
MSVOA_V
ClientSampleId :
F4M10

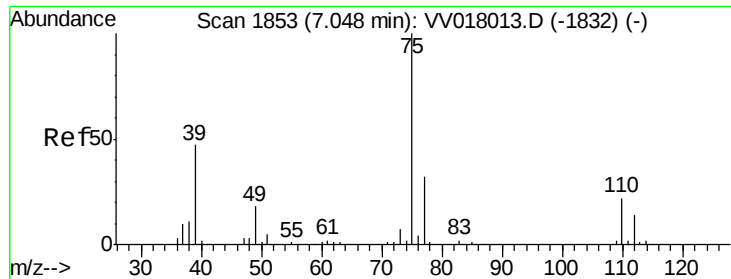
Tot Ion: 83 Resp: 11656
Ion Ratio Lower Upper
83 100
85 65.4 45.5 84.5



#35
Methylcyclohexane
Concen: 7.933 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018033.D
Acq: 17 Aug 2020 18:20

Tgt Ion: 83 Resp: 24520
Ion Ratio Lower Upper
83 100
55 0.0 64.9 97.3#
98 1.6 38.7 58.1#

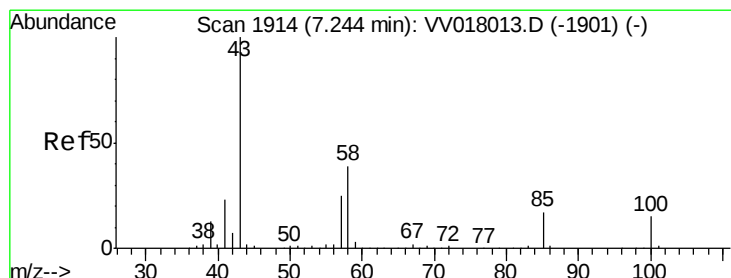
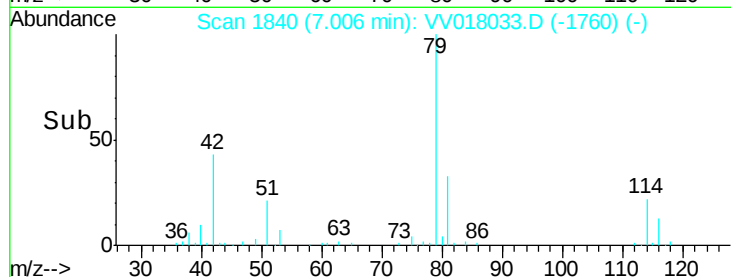
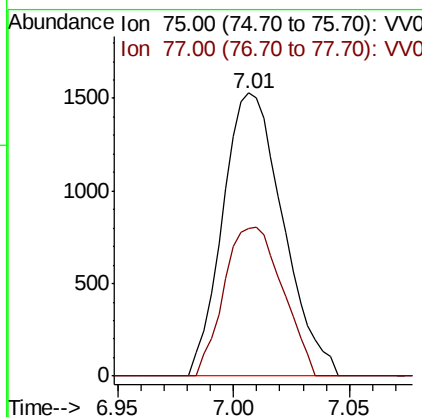
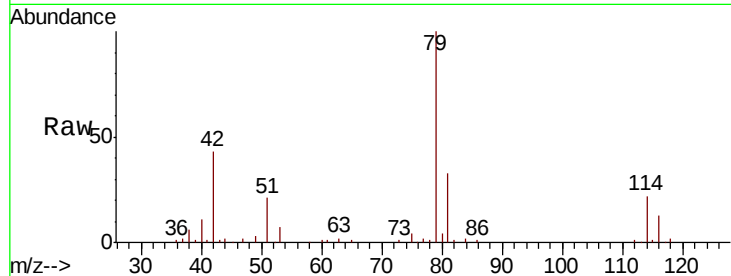




#39
 cis-1,3-Dichloropropene
 Concen: 0.909 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV018033.D
 Acq: 17 Aug 2020 18:20

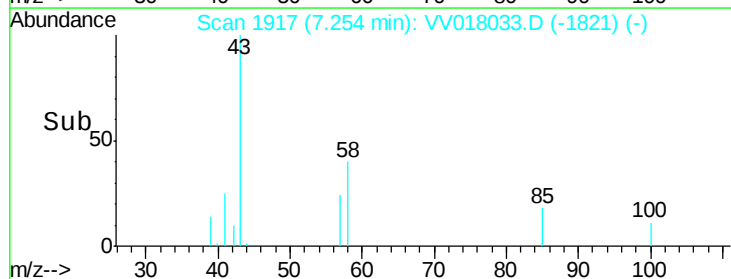
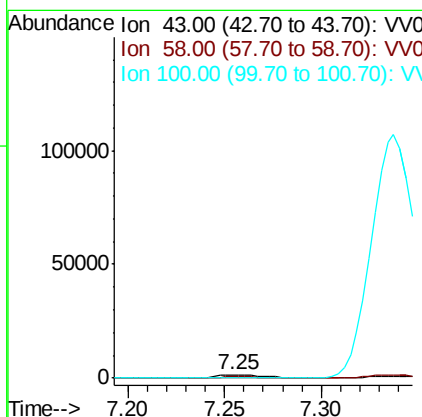
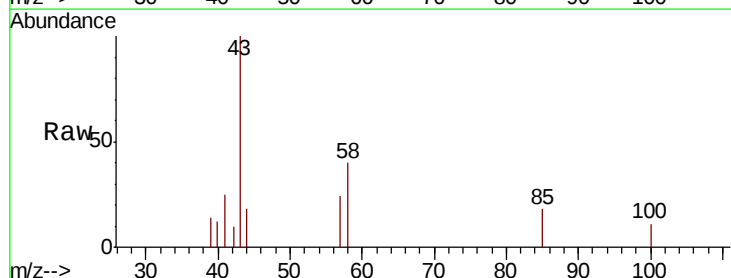
Instrument :
 MSVOA_V
 ClientSampleId :
 F4M10

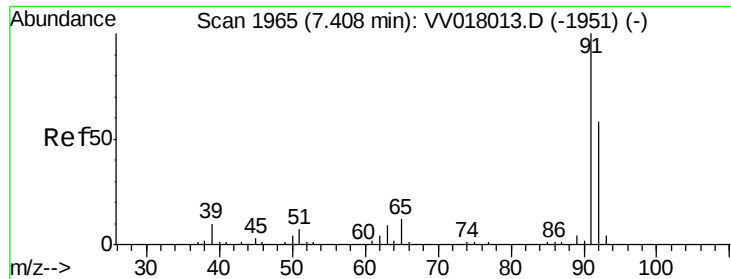
Tot Ion: 75 Resp: 2764
 Ion Ratio Lower Upper
 75 100
 77 52.1 22.3 41.5#



#40
 4-Methyl-2-pentanone
 Concen: 1.050 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.01 min
 Lab File: VV018033.D
 Acq: 17 Aug 2020 18:20

Tgt Ion: 43 Resp: 2943
 Ion Ratio Lower Upper
 43 100
 58 35.8 31.9 47.9
 100 8.4 12.2 18.2#





#42

Toluene

Concen: 2.797 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV018033.D

Acq: 17 Aug 2020 18:20

Instrument :

MSVOA_V

ClientSampled :

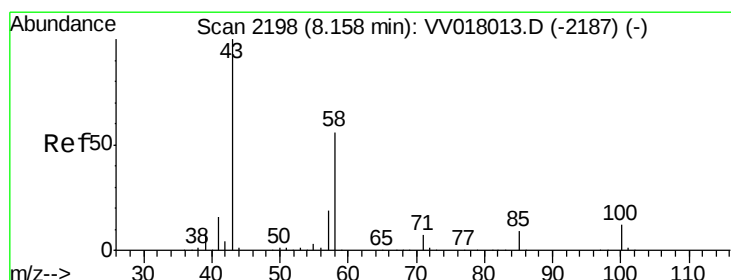
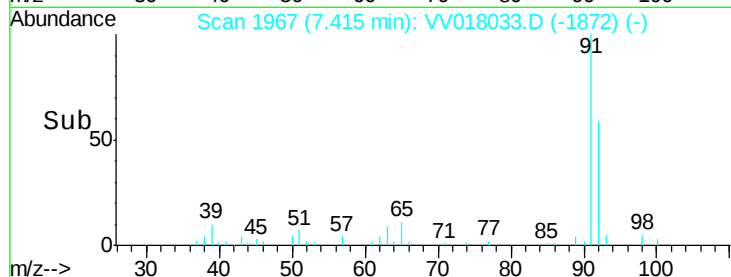
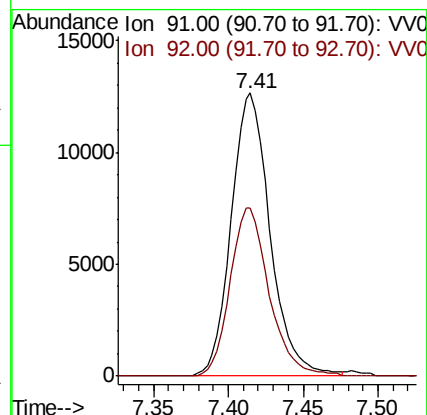
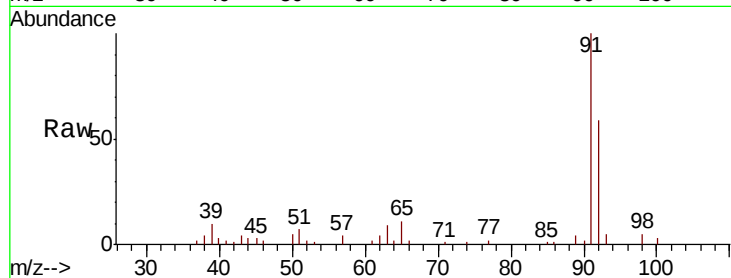
F4M10

Tot Ion: 91 Resp: 22952

Ion Ratio Lower Upper

91 100

92 59.4 40.6 75.4



#48

2-Hexanone

Concen: 4.225 ug/L

RT: 8.11 min Scan# 2182

Delta R.T. -0.05 min

Lab File: VV018033.D

Acq: 17 Aug 2020 18:20

Tgt Ion: 43 Resp: 9553

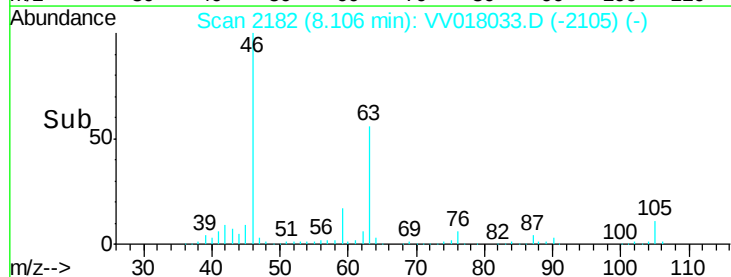
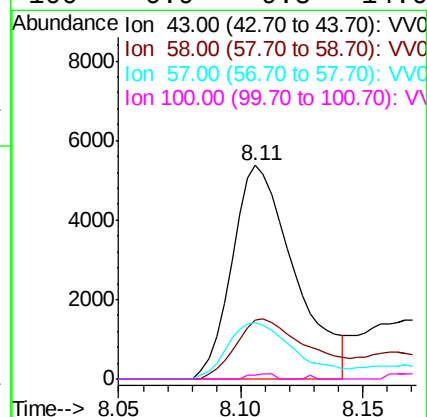
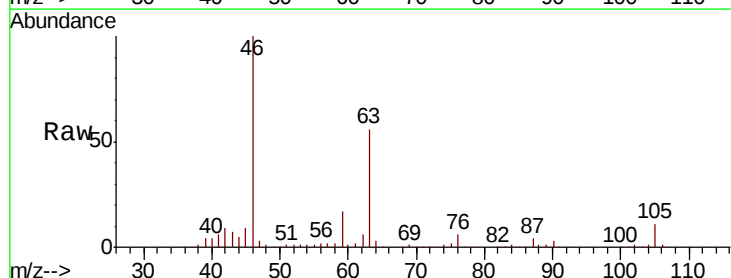
Ion Ratio Lower Upper

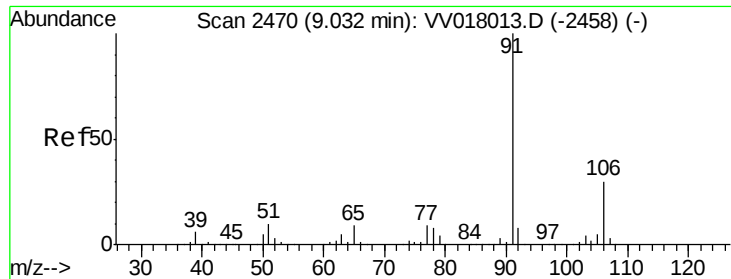
43 100

58 33.0 44.4 66.6#

57 29.0 15.2 22.8#

100 0.9 9.8 14.6#





#52

Ethylbenzene

Concen: 1.325 ug/L

RT: 9.04 min Scan# 2472

Delta R.T. 0.01 min

Lab File: VV018033.D

Acq: 17 Aug 2020 18:20

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MSVOA_V

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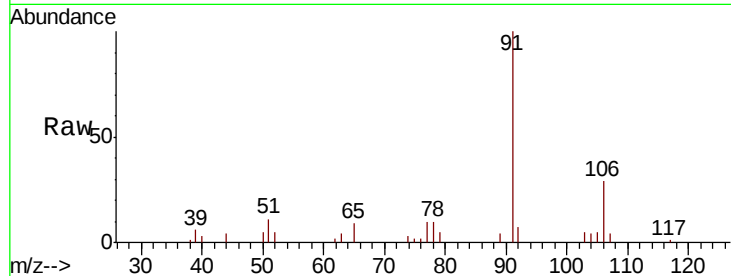
F4M10

Tot Ion: 91 Resp: 11853

Ion Ratio Lower Upper

91 100

106 28.6 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV018033.D (-2458) (-)

Ion 106.00 (105.70 to 106.70): VV018033.D (-2458) (-)

9.04

8000

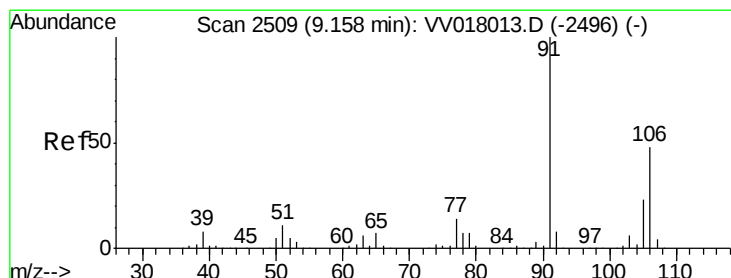
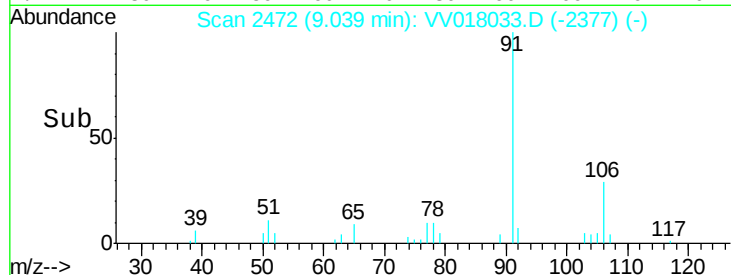
6000

4000

2000

0

Time-->



#53

m,p-Xylene

Concen: 4.617 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV018033.D

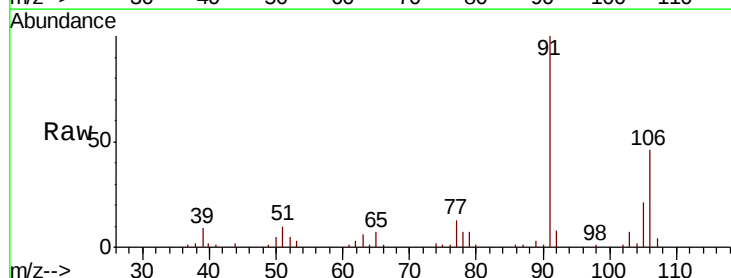
Acq: 17 Aug 2020 18:20

Tgt Ion: 106 Resp: 15195

Ion Ratio Lower Upper

106 100

91 218.7 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): VV018033.D (-2496) (-)

Ion 91.00 (90.70 to 91.70): VV018033.D (-2496) (-)

9.16

20000

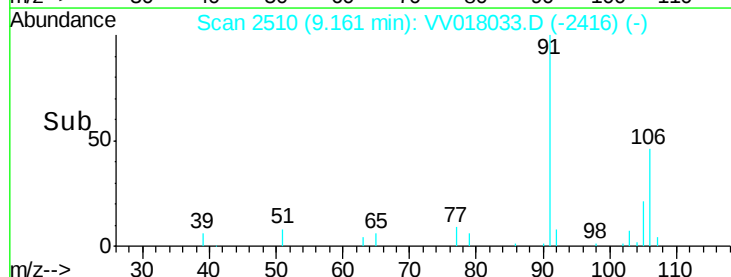
15000

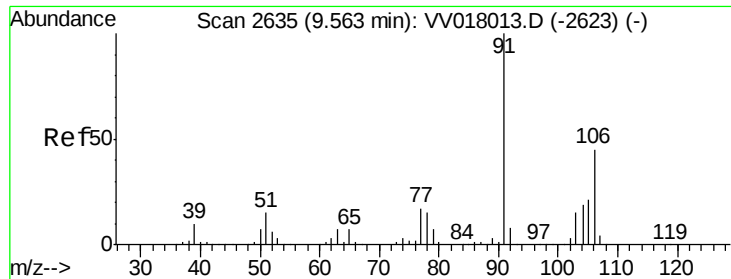
10000

5000

0

Time-->

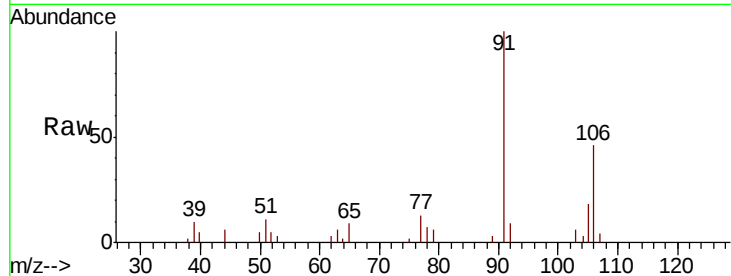




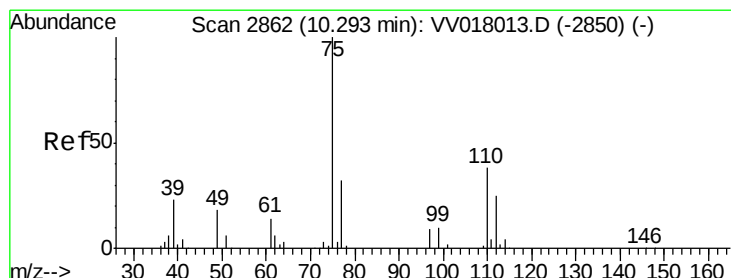
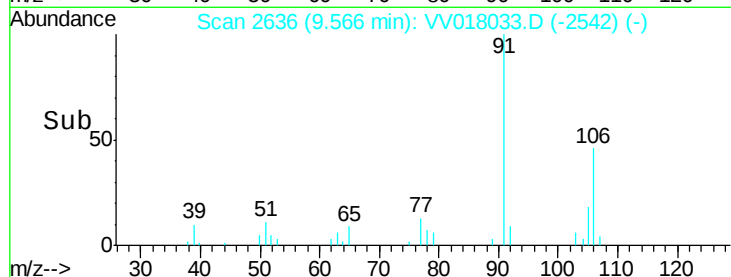
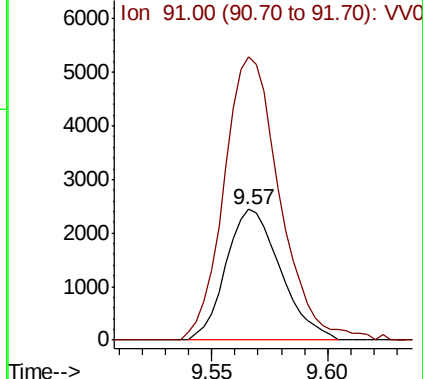
#54
o-xylene
Concen: 1.231 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018033.D
Acq: 17 Aug 2020 18:20

Instrument :
MSVOA_V
ClientSampled :
F4M10

Tot Ion:106 Resp: 4003
Ion Ratio Lower Upper
106 100
91 216.3 156.0 289.8

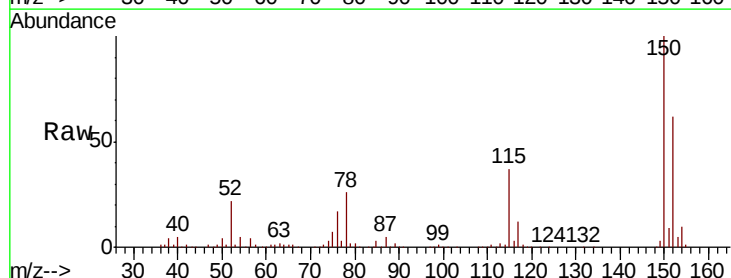


Abundance Ion 106.00 (105.70 to 106.70): VV018033.D (-2636) (-)
Ion 91.00 (90.70 to 91.70): VV018033.D (-2636) (-)



#59
1,2,3-Trichloropropane
Concen: 5.832 ug/L
RT: 11.27 min Scan# 3166
Delta R.T. 0.98 min
Lab File: VV018033.D
Acq: 17 Aug 2020 18:20

Tgt Ion: 75 Resp: 15447
Ion Ratio Lower Upper
75 100
77 37.6 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV018033.D (-3166) (-)
Ion 77.00 (76.70 to 77.70): VV018033.D (-3166) (-)

