

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061820\
 Data File : VV016971.D
 Acq On : 18 Jun 2020 12:04
 Operator : SY/MD
 Sample : L3039-02
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9M01

Quant Time: Jun 19 04:36:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 19 04:33:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	380563	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	361744	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	187317	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	100609	37.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.94%
7) Chloroethane-d5	1.58	69	72285	44.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.72%
11) 1,1-Dichloroethene-d2	2.12	63	150674	33.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.82%
21) 2-Butanone-d5	3.91	46	167344	84.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.20%
24) Chloroform-d	4.38	84	231611	42.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.84%
26) 1,2-Dichloroethane-d4	5.06	65	169659	45.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.36%
32) Benzene-d6	5.08	84	457303	43.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.70%
36) 1,2-Dichloropropane-d6	6.09	67	141503	43.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.06%
41) Toluene-d8	7.34	98	422809	44.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.38%
43) trans-1,3-Dichloropropene-	7.64	79	73009	43.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.26%
47) 2-Hexanone-d5	8.11	63	100283	70.77	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	70.77%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	184847	42.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.92%
64) 1,2-Dichlorobenzene-d4	11.65	152	188860	47.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.48%

Target Compounds

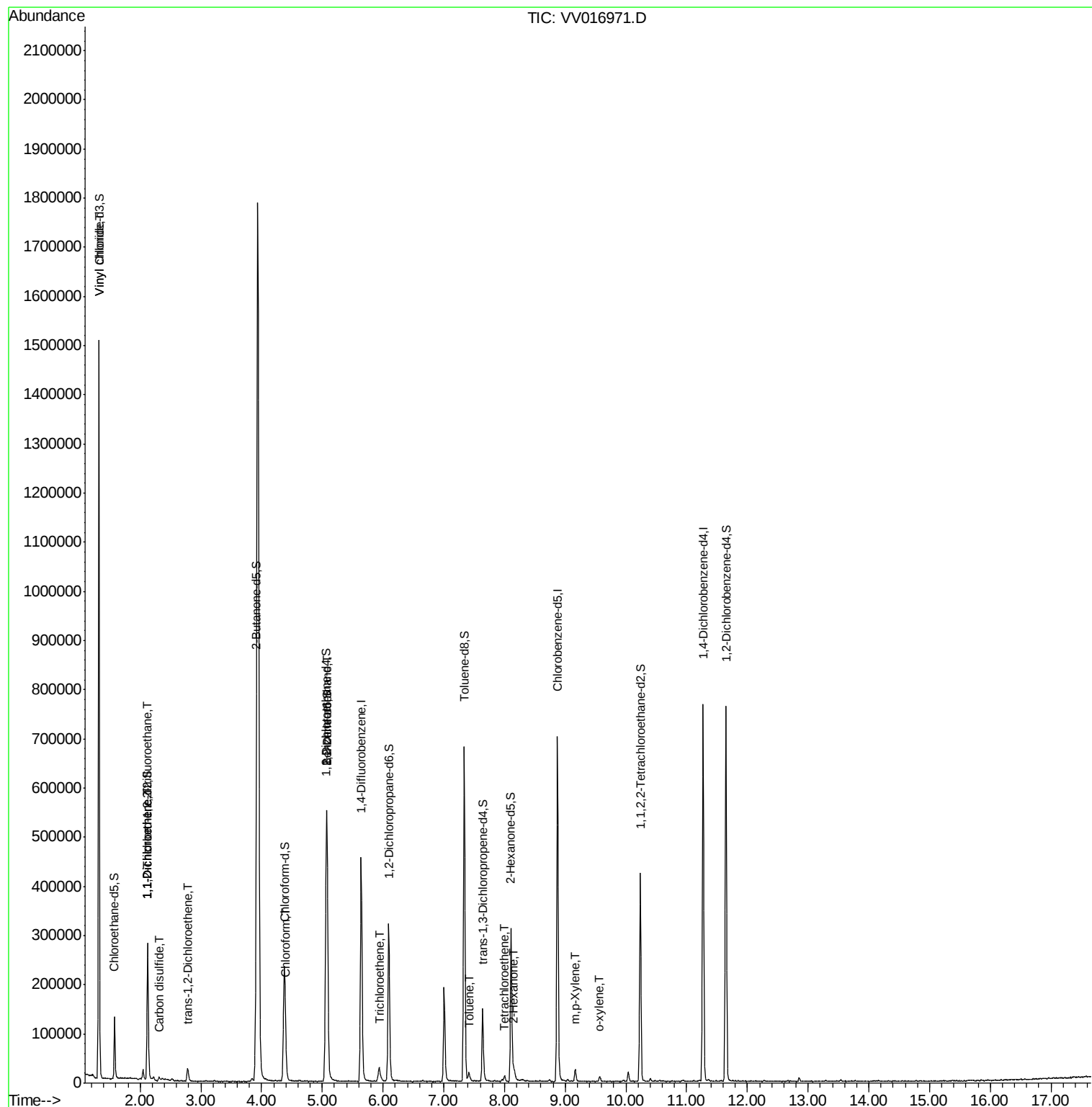
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	808652	298.028	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1358	0.671	ug/L #	19
12) 1,1-Dichloroethene	2.12	96	2311	1.224	ug/L #	1
14) Carbon disulfide	2.32	76	9558	1.398	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	9147	3.552	ug/L	83
25) Chloroform	4.41	83	9209	1.848	ug/L	96
27) 1,2-Dichloroethane	5.08	62	3241	0.776	ug/L	96
34) Trichloroethene	5.94	95	5943	2.070	ug/L	97
42) Toluene	7.41	91	10933	0.969	ug/L	96
46) Tetrachloroethene	8.00	164	2507	1.110	ug/L	84
48) 2-Hexanone	8.16	43	10129	3.312	ug/L	94
53) m,p-Xylene	9.17	106	6518	1.401	ug/L	98
54) o-xylene	9.57	106	3074	0.670	ug/L	75

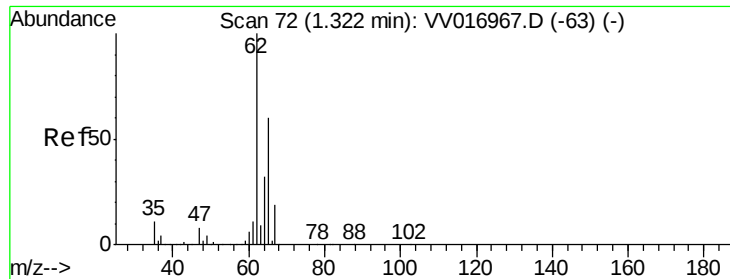
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 19 04:33:43 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 298.028 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016971.D

Acq: 18 Jun 2020 12:04

Instrument :

MSVOA_V

ClientSampleId :

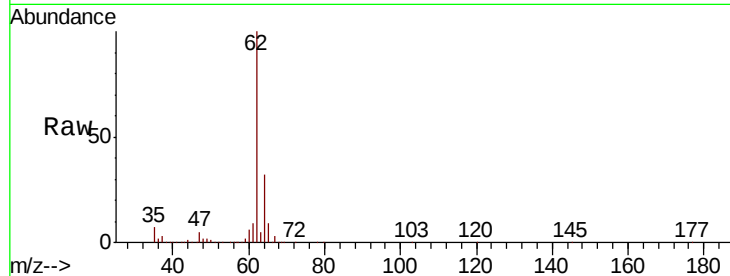
F9M01

Tot Ion: 62 Resp: 808652

Ion Ratio Lower Upper

62 100

64 32.2 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV016971.D (-63) (-)

Ion 64.00 (63.70 to 64.70): VV016971.D (-63) (-)

1.32

800000

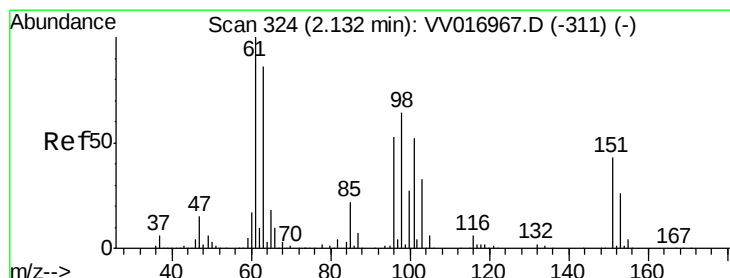
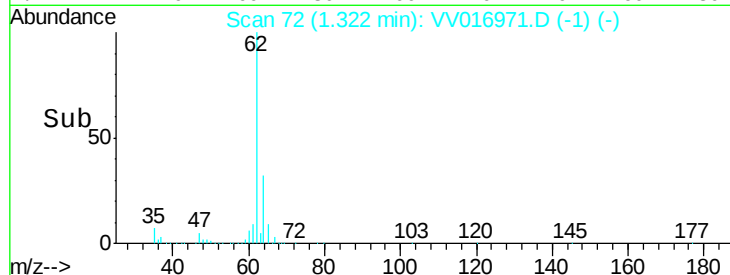
600000

400000

200000

0

Time-->



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.671 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV016971.D

Acq: 18 Jun 2020 12:04

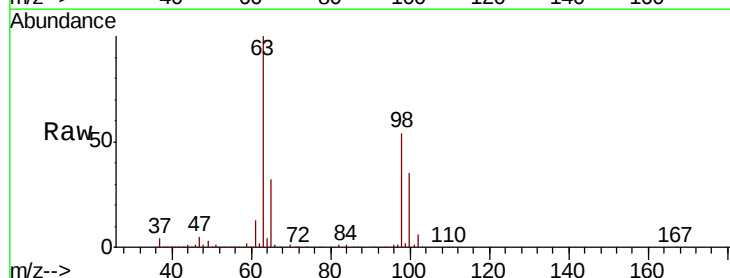
Tgt Ion: 101 Resp: 1358

Ion Ratio Lower Upper

101 100

85 3.8 35.5 53.3#

151 0.0 63.9 95.9#



Abundance Ion 101.00 (100.70 to 101.70): VV016971.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV016971.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV016971.D (-311) (-)

2.12

1000

800

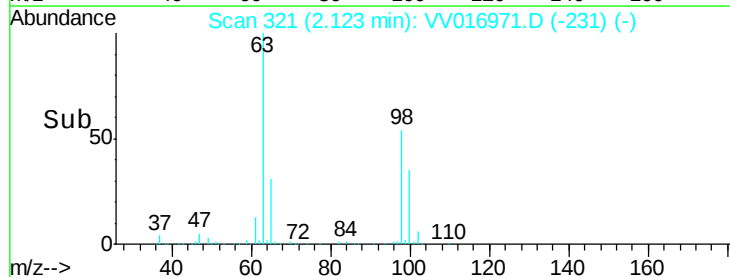
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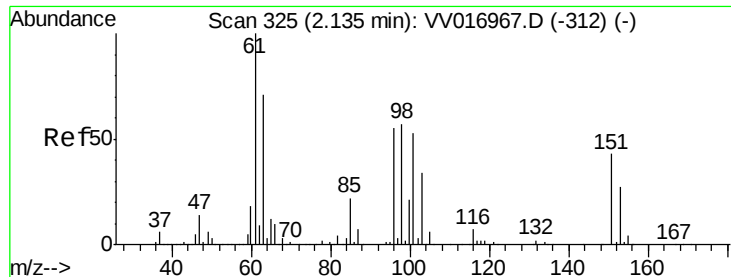
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200

0

Time-->

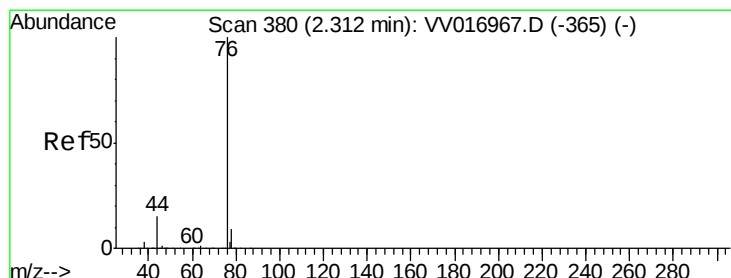
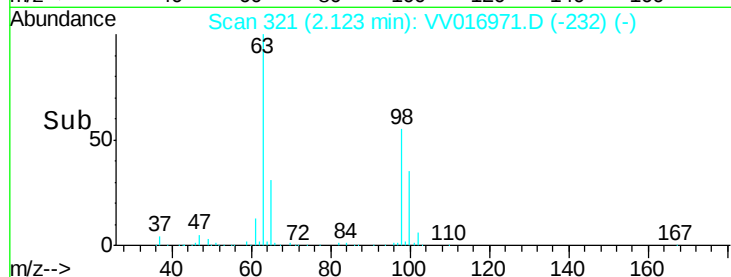
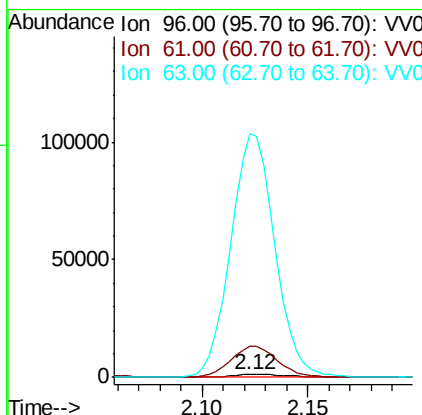
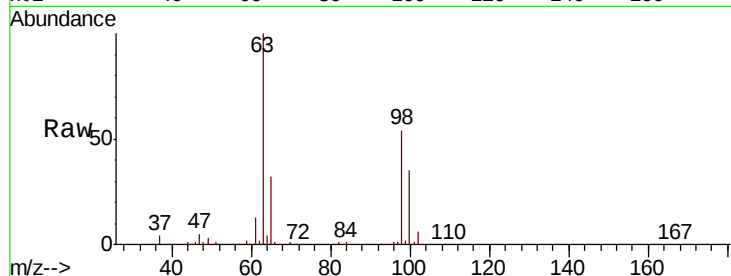




#12
 1,1-Dichloroethene
 Concen: 1.224 ug/L
 RT: 2.12 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VV016971.D
 Acq: 18 Jun 2020 12:04

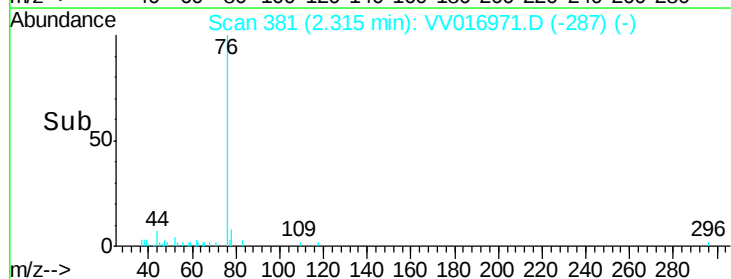
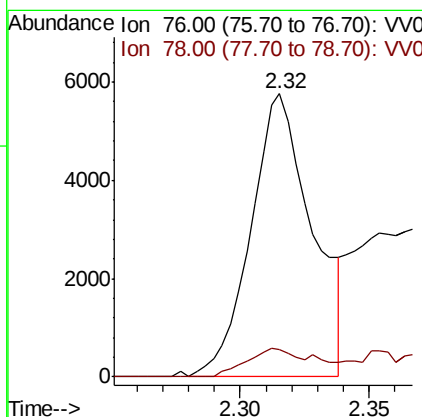
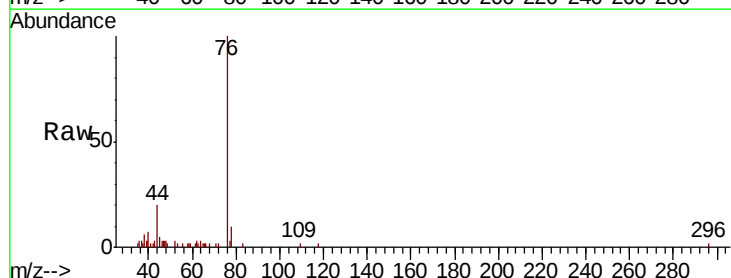
Instrument :
 MSVOA_V
 ClientSampleId :
 F9M01

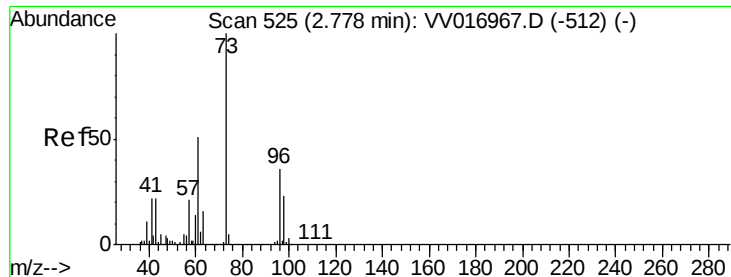
Tot Ion	Ratio	Lower	Upper
96	100		
61	1066.8	130.4	242.2#
63	8449.3	103.3	191.9#



#14
 Carbon disulfide
 Concen: 1.398 ug/L
 RT: 2.32 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VV016971.D
 Acq: 18 Jun 2020 12:04

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.4	11.0





#17

trans-1,2-Dichloroethene

Concen: 3.552 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV016971.D

Acq: 18 Jun 2020 12:04

Instrument :

MSVOA_V

ClientSampleId :

F9M01

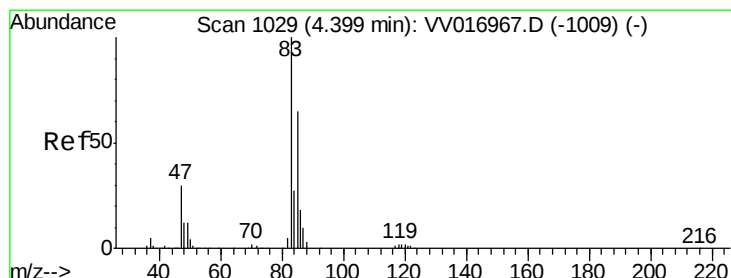
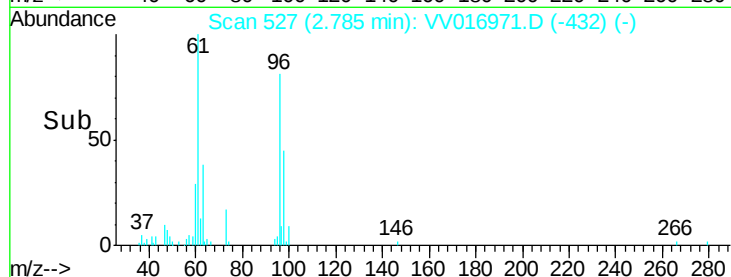
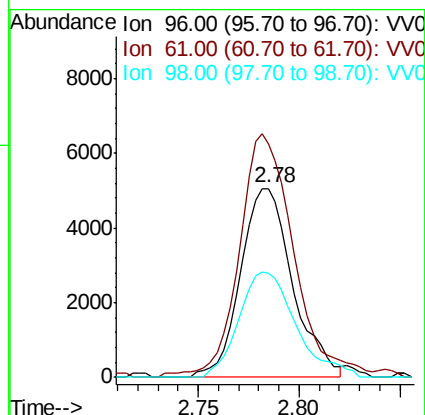
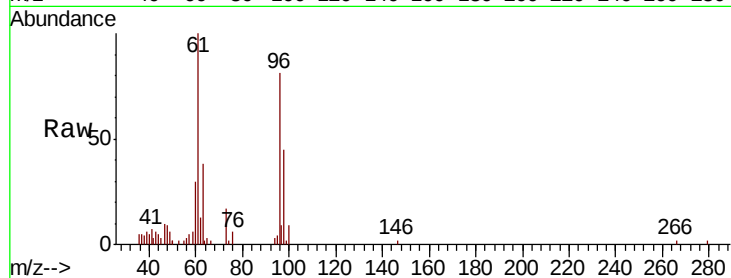
Tot Ion: 96 Resp: 9147

Ion Ratio Lower Upper

96 100

61 123.3 102.9 191.1

98 54.9 45.5 84.5



#25

Chloroform

Concen: 1.848 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VV016971.D

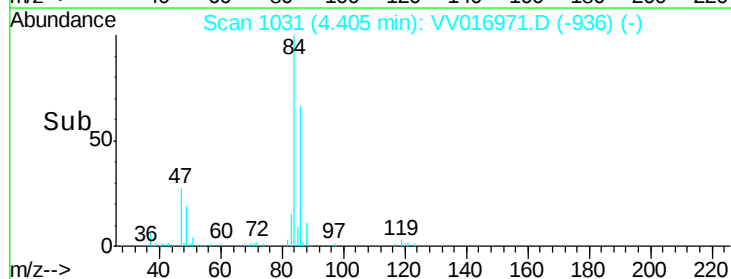
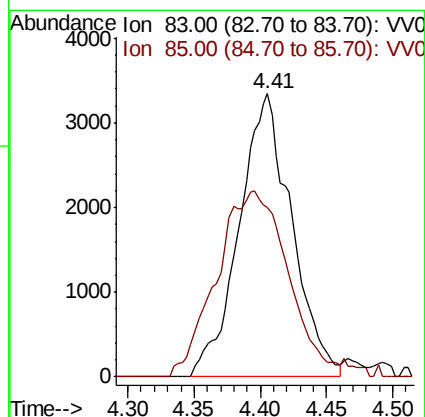
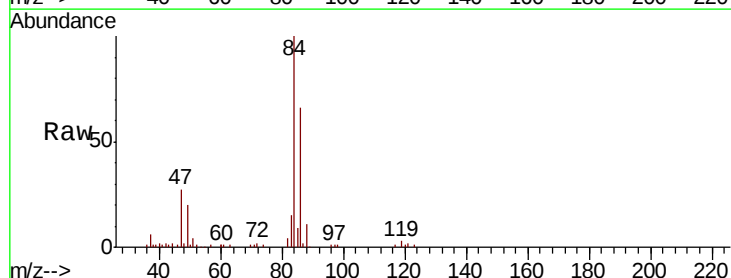
Acq: 18 Jun 2020 12:04

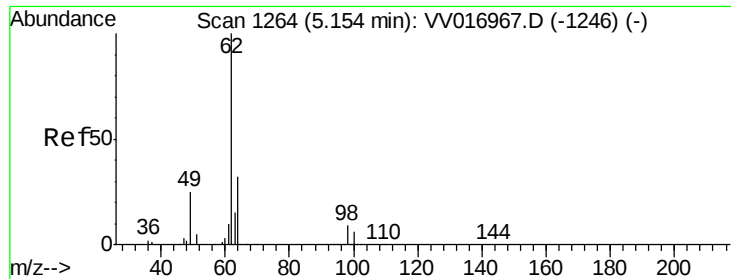
Tgt Ion: 83 Resp: 9209

Ion Ratio Lower Upper

83 100

85 59.8 44.1 81.9

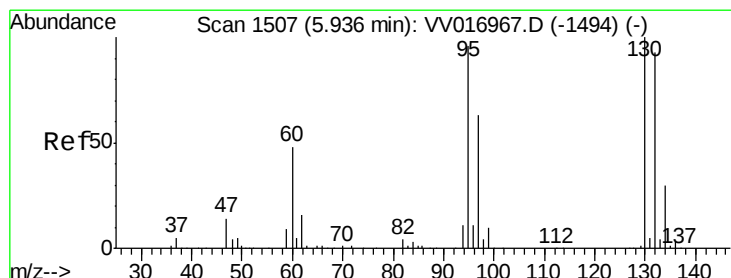
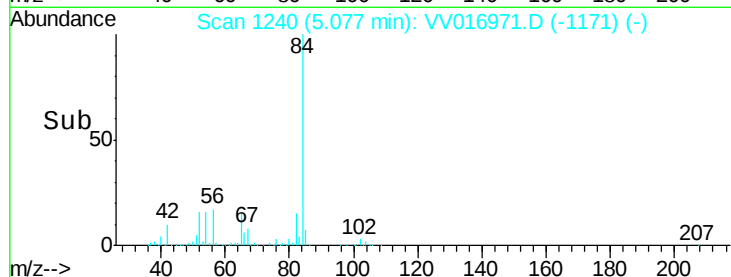
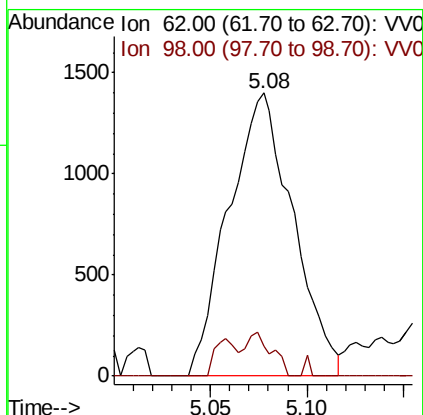
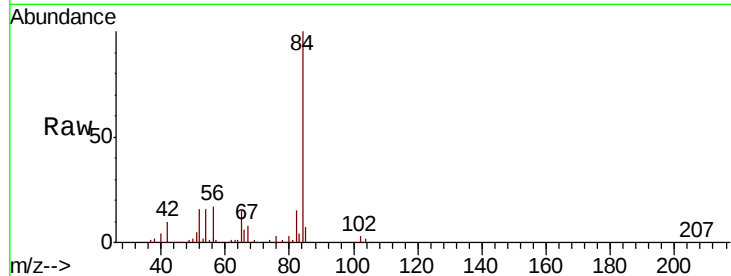




#27
 1,2-Dichloroethane
 Concen: 0.776 ug/L
 RT: 5.08 min Scan# 1240
 Delta R.T. -0.08 min
 Lab File: VV016971.D
 Acq: 18 Jun 2020 12:04

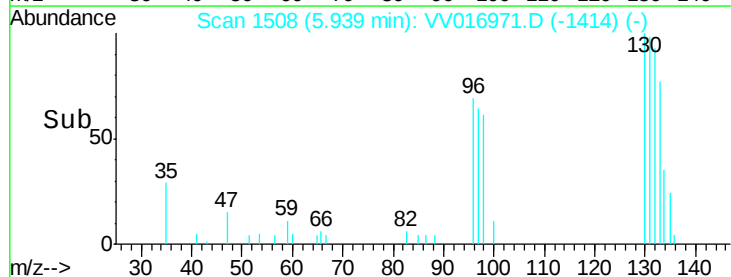
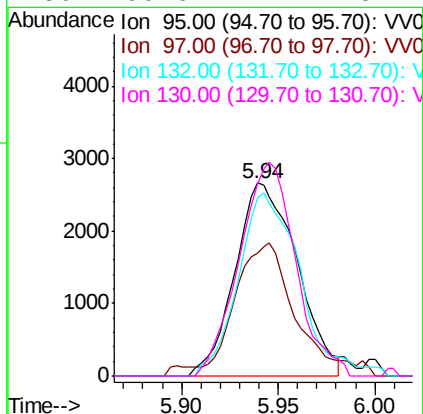
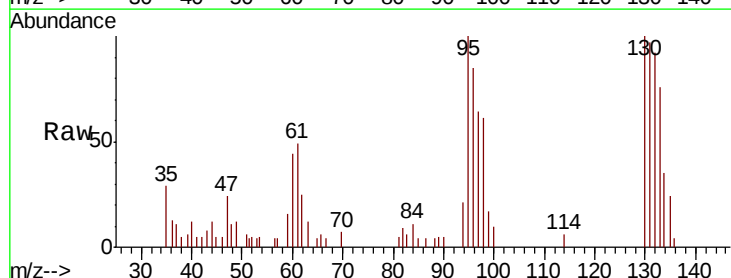
Instrument :
 MSVOA_V
 ClientSampleId :
 F9M01

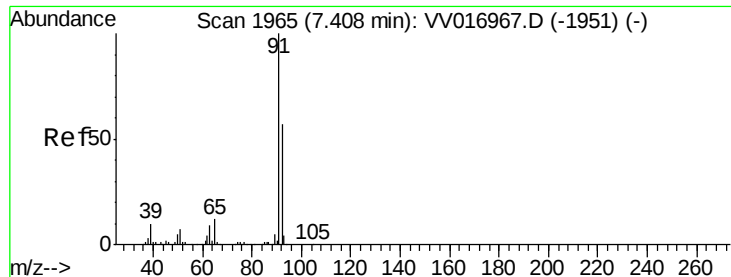
Tot Ion: 62 Resp: 3241
 Ion Ratio Lower Upper
 62 100
 98 10.6 7.4 11.2



#34
 Trichloroethene
 Concen: 2.070 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV016971.D
 Acq: 18 Jun 2020 12:04

Tgt Ion: 95 Resp: 5943
 Ion Ratio Lower Upper
 95 100
 97 63.5 44.3 82.3
 132 92.3 67.9 126.1
 130 99.6 72.2 134.2





#42

Toluene

Concen: 0.969 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV016971.D

Acq: 18 Jun 2020 12:04

Instrument :

MSVOA_V

ClientSampleId :

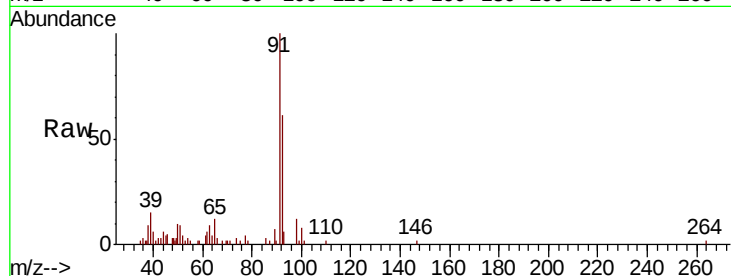
F9M01

Tot Ion: 91 Resp: 10933

Ion Ratio Lower Upper

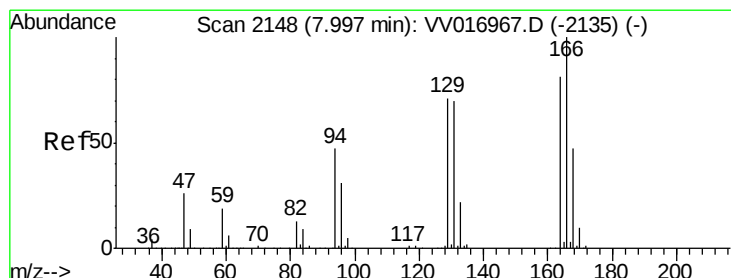
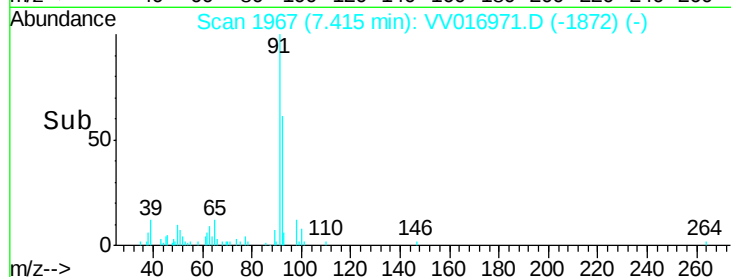
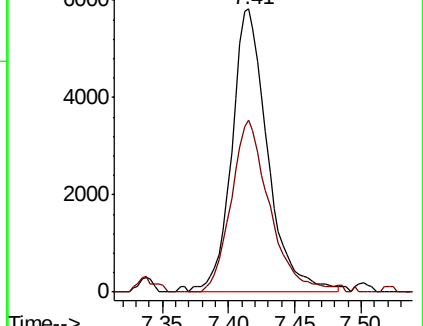
91 100

92 60.8 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV016971.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV016971.D (-1951) (-)



#46

Tetrachloroethene

Concen: 1.110 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. 0.01 min

Lab File: VV016971.D

Acq: 18 Jun 2020 12:04

Tgt Ion:164 Resp: 2507

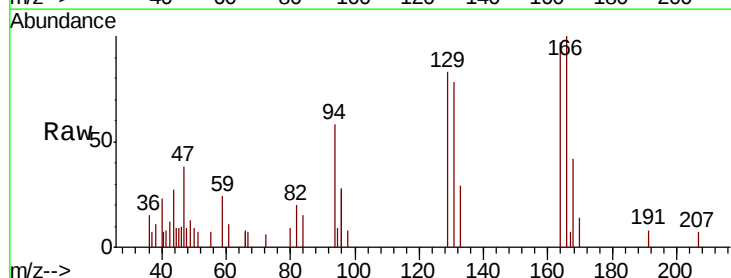
Ion Ratio Lower Upper

164 100

129 85.9 67.0 124.4

131 80.5 64.8 120.3

166 103.0 90.4 167.8

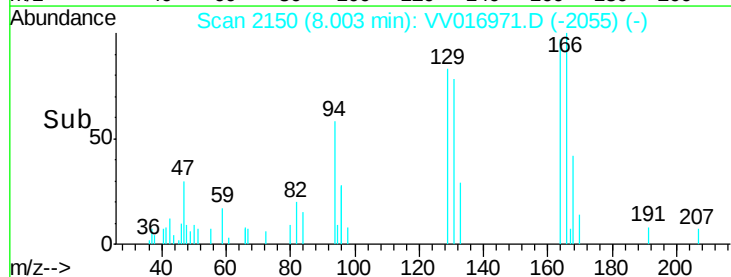
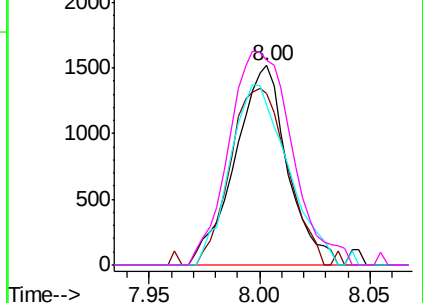


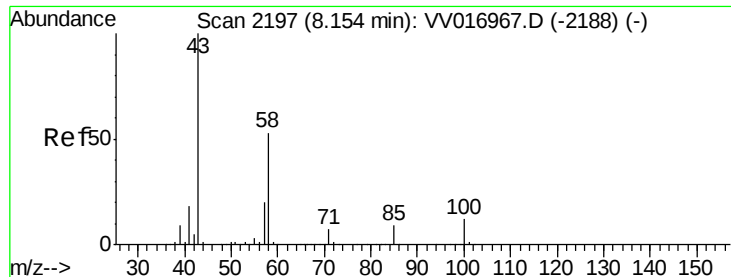
Abundance Ion 164.00 (163.70 to 164.70): VV016971.D (-2055) (-)

Ion 129.00 (128.70 to 129.70): VV016971.D (-2055) (-)

Ion 131.00 (130.70 to 131.70): VV016971.D (-2055) (-)

Ion 166.00 (165.70 to 166.70): VV016971.D (-2055) (-)

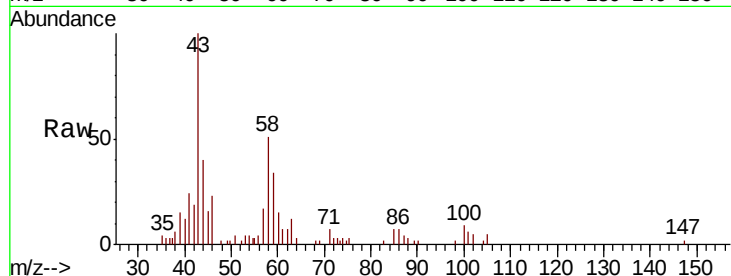




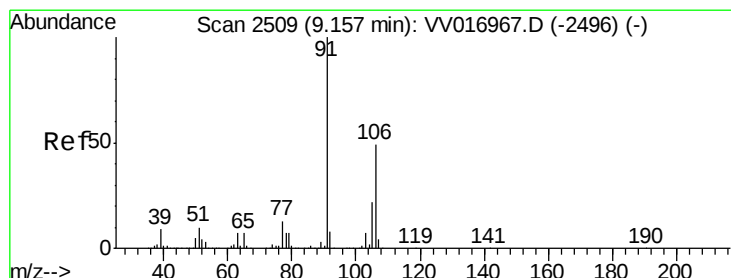
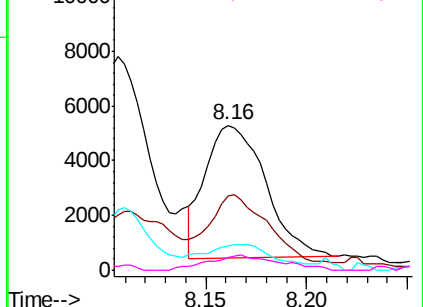
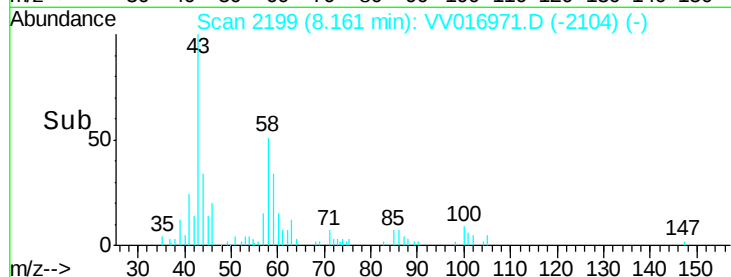
#48
2-Hexanone
Concen: 3.312 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.01 min
Lab File: VV016971.D
Acq: 18 Jun 2020 12:04

Instrument :
MSVOA_V
ClientSampleId :
F9M01

Tot Ion: 43 Resp: 10129
Ion Ratio Lower Upper
43 100
58 48.2 43.1 64.7
57 17.0 15.3 22.9
100 12.7 10.0 15.0

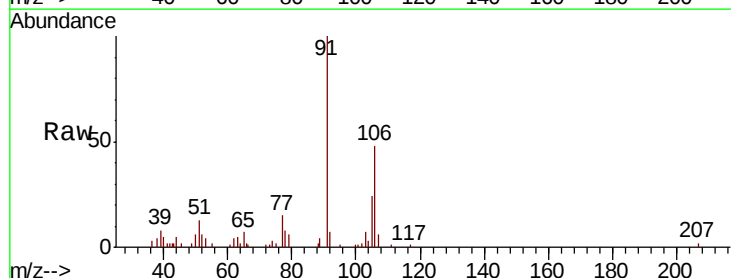


Abundance Ion 43.00 (42.70 to 43.70): VV016971.D (-2188) (-)
Ion 58.00 (57.70 to 58.70): VV016971.D (-2188) (-)
Ion 57.00 (56.70 to 57.70): VV016971.D (-2188) (-)
Ion 100.00 (99.70 to 100.70): VV016971.D (-2188) (-)

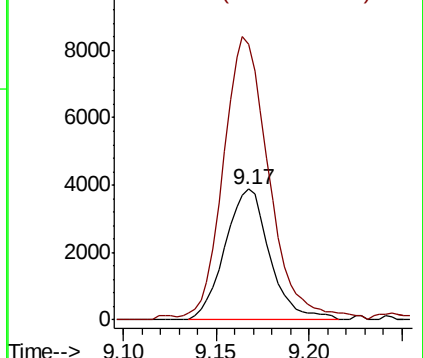
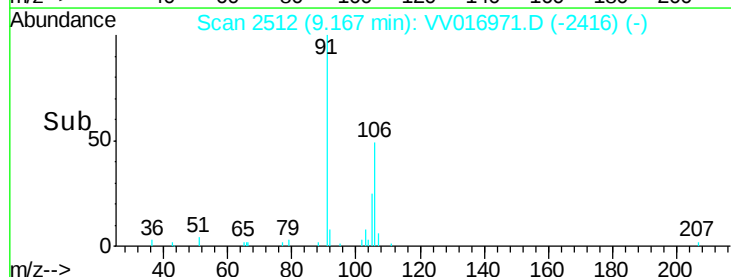


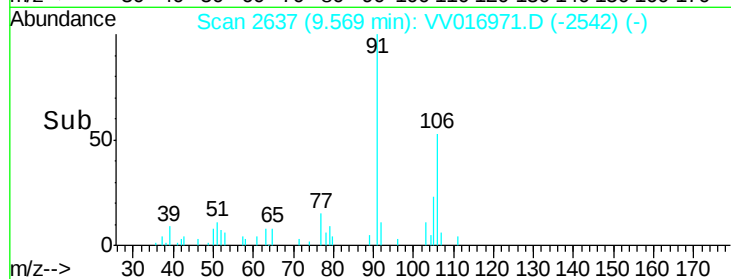
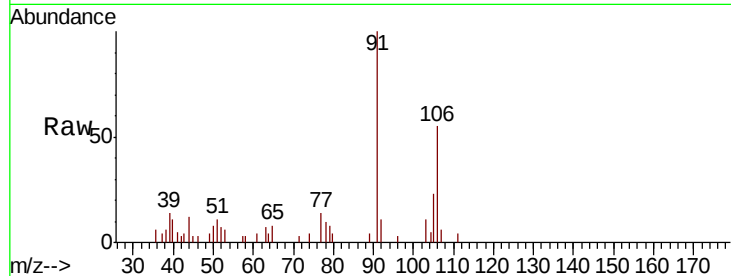
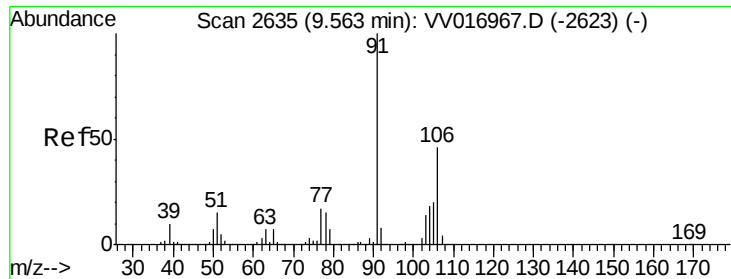
#53
m,p-Xylene
Concen: 1.401 ug/L
RT: 9.17 min Scan# 2512
Delta R.T. 0.01 min
Lab File: VV016971.D
Acq: 18 Jun 2020 12:04

Tgt Ion: 106 Resp: 6518
Ion Ratio Lower Upper
106 100
91 210.4 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): VV016971.D (-2496) (-)
Ion 91.00 (90.70 to 91.70): VV016971.D (-2496) (-)





#54
o-xylene
Concen: 0.670 ug/L
RT: 9.57 min Scan# 2637
Delta R.T. 0.01 min
Lab File: VV016971.D
Acq: 18 Jun 2020 12:04

Instrument :
MSVOA_V
ClientSampleId :
F9M01

Tot Ion:106 Resp: 3074
Ion Ratio Lower Upper
106 100
91 182.7 155.9 289.5

