

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112018\
 Data File : VV008674.D
 Acq On : 20 Nov 2018 15:28
 Operator : SY/MD
 Sample : J5997-03 50X
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E3YA3

Quant Time: Nov 21 01:35:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 21 01:28:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	286329	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	262499	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	121285	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	89910	44.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.02%
7) Chloroethane-d5	1.57	69	38972	35.32	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	70.64%
11) 1,1-Dichloroethene-d2	2.13	63	118382	35.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.02%
21) 2-Butanone-d5	3.94	46	141184	85.75	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.75%
24) Chloroform-d	4.40	84	178192	43.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.10%
26) 1,2-Dichloroethane-d4	5.08	65	117941	45.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.14%
32) Benzene-d6	5.10	84	381899	46.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.54%
36) 1,2-Dichloropropane-d6	6.12	67	118478	46.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.84%
41) Toluene-d8	7.36	98	346204	47.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.48%
43) trans-1,3-Dichloropropene-	7.67	79	47835	41.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.80%
47) 2-Hexanone-d5	8.14	63	103087	89.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.32%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	143152	41.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.24%
64) 1,2-Dichlorobenzene-d4	11.68	152	121553	45.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.82%

Target Compounds

					Qvalue
9) Trichlorofluoromethane	2.12	101	1095	0.390 ug/L #	28
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1095	0.676 ug/L #	17
12) 1,1-Dichloroethene	2.13	96	1155	0.794 ug/L #	1
16) Methylene chloride	2.53	84	861	0.382 ug/L	90
20) cis-1,2-Dichloroethene	3.96	96	7736	3.355 ug/L	85
29) Cyclohexane	4.72	56	7892	2.219 ug/L #	100
35) Methylcyclohexane	6.18	83	57396	15.542 ug/L	97
39) cis-1,3-Dichloropropene	7.03	75	3244	1.001 ug/L #	75
52) Ethylbenzene	9.06	91	627256	65.141 ug/L	99
53) m,p-Xylene	9.18	106	741407	209.533 ug/L	91
54) o-xylene	9.59	106	228998	65.085 ug/L	95
55) Styrene	9.59	104	12045	2.053 ug/L #	1
56) Isopropylbenzene	9.98	105	17251	1.865 ug/L	97
59) 1,2,3-Trichloropropane	11.30	75	14943	5.175 ug/L	90
63) 1,4-Dichlorobenzene	11.32	146	1825	0.441 ug/L	90
69) Naphthalene	13.56	128	6557	1.073 ug/L #	93

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Quant Title : VOC Analysis
QLast Update : Wed Nov 21 01:28:05 2018
Response via : Initial Calibration

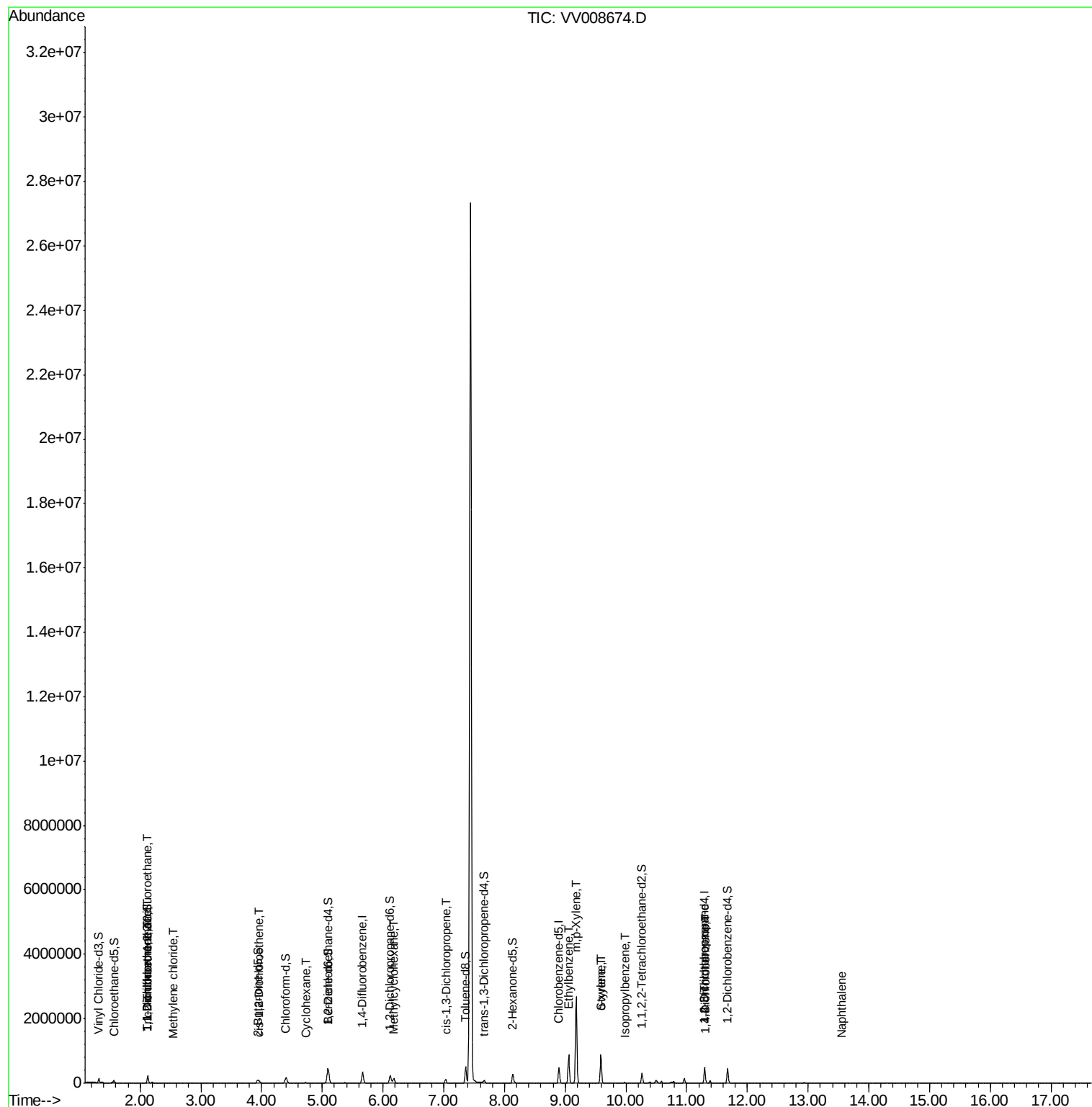
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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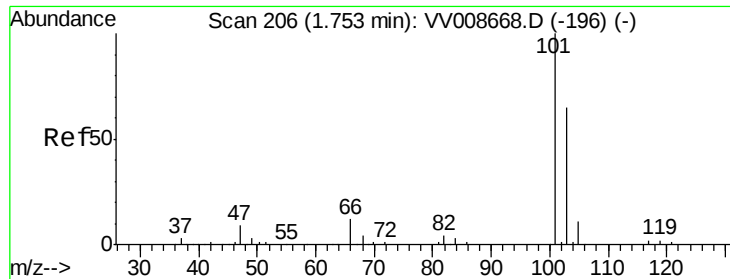
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV112018\
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Quant Title : VOC Analysis
QLast Update : Wed Nov 21 01:28:05 2018
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 0.390 ug/L

RT: 2.12 min Scan# 321

Delta R.T. 0.35 min

Lab File: VV008674.D

Acq: 20 Nov 2018 15:28

Instrument :

MSVOA_V

ClientSampleId :

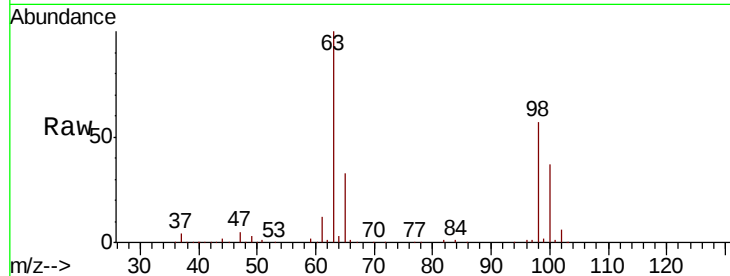
E3YA3

Tgt Ion:101 Resp: 1095

Ion Ratio Lower Upper

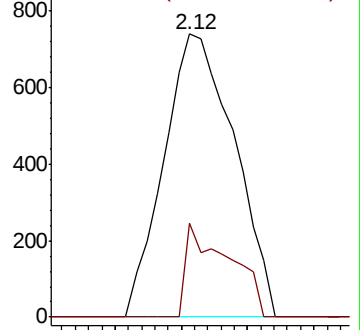
101 100

103 7.3 50.2 75.4#

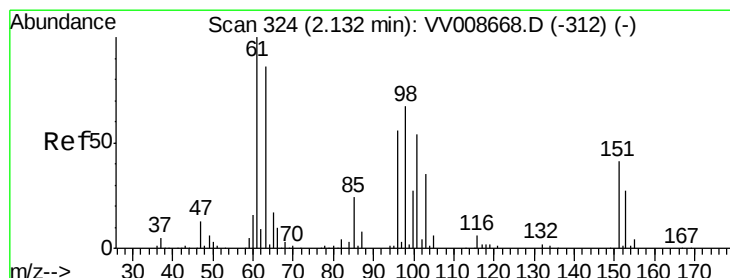
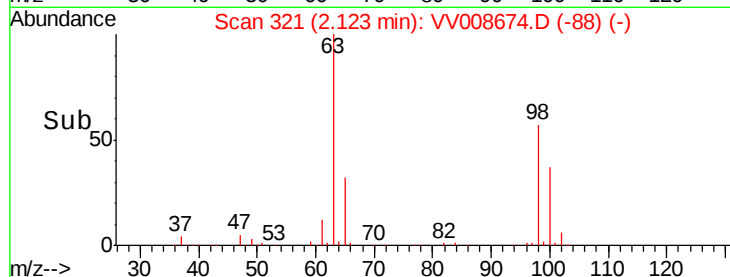


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



Time-->



#10

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

Concen: 0.676 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.02 min

Lab File: VV008674.D

Acq: 20 Nov 2018 15:28

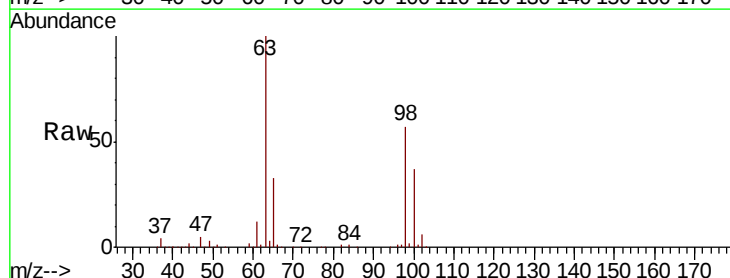
Tgt Ion:101 Resp: 1095

Ion Ratio Lower Upper

101 100

85 0.0 37.0 55.6#

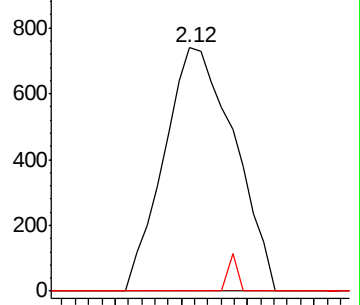
151 0.0 63.8 95.8#



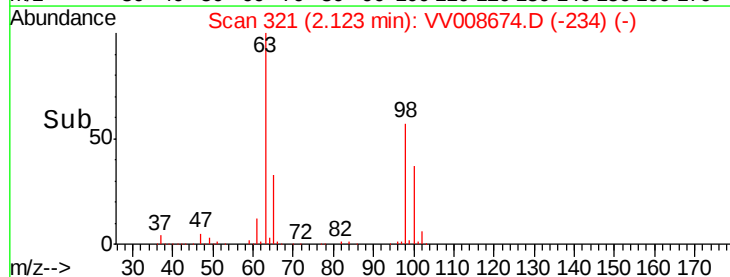
Abundance Ion 101.00 (100.70 to 101.70): V

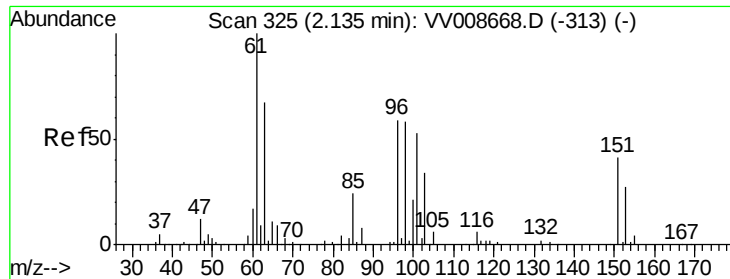
Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



Time-->





#12

1,1-Dichloroethene

Concen: 0.794 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV008674.D

Acq: 20 Nov 2018 15:28

Instrument :

MSVOA_V

ClientSampled :

E3YA3

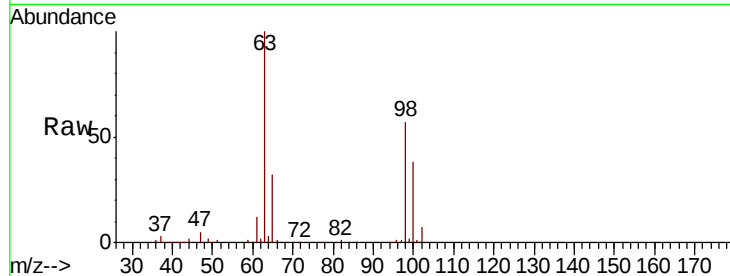
Tgt Ion: 96 Resp: 1155

Ion Ratio Lower Upper

96 100

61 1379.3 120.3 223.3#

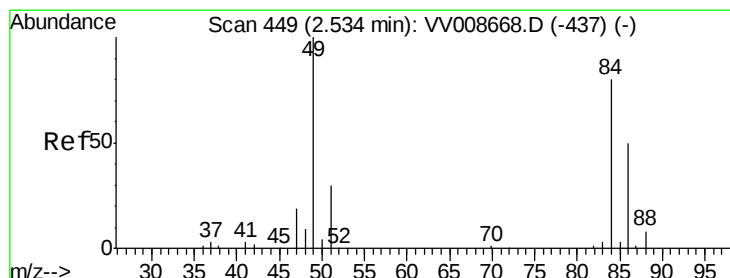
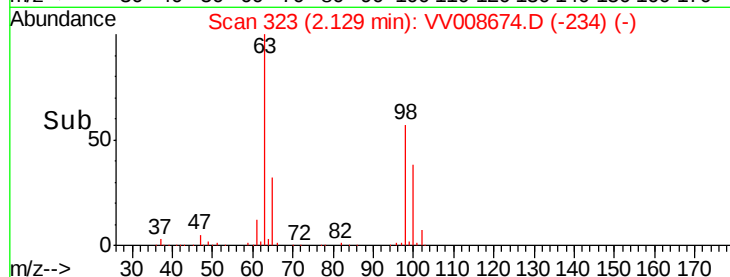
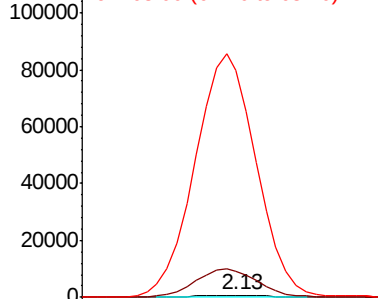
63 11779.0 113.3 210.5#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



#16

Methylene chloride

Concen: 0.382 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.01 min

Lab File: VV008674.D

Acq: 20 Nov 2018 15:28

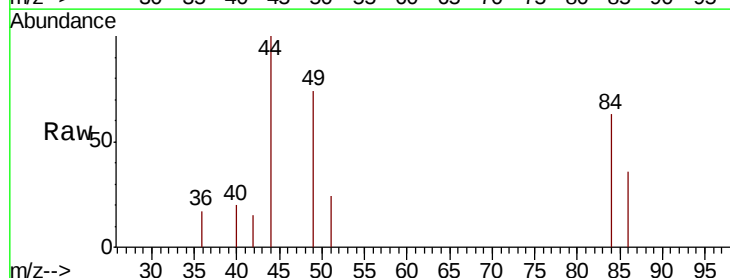
Tgt Ion: 84 Resp: 861

Ion Ratio Lower Upper

84 100

86 57.3 50.6 94.0

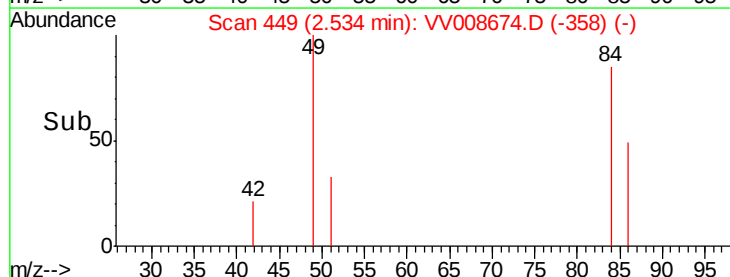
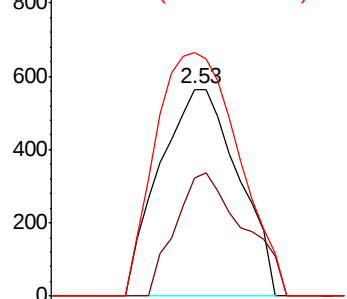
49 117.7 86.5 160.7

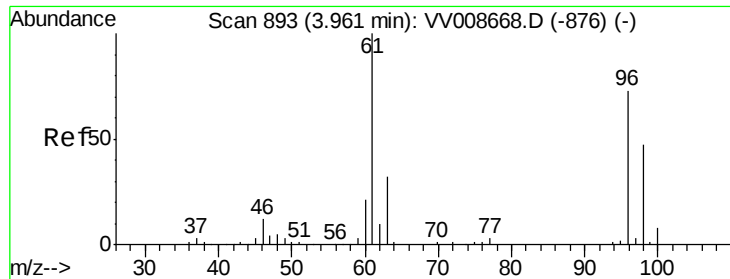


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

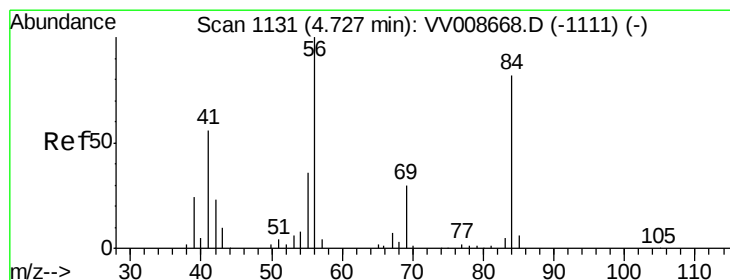
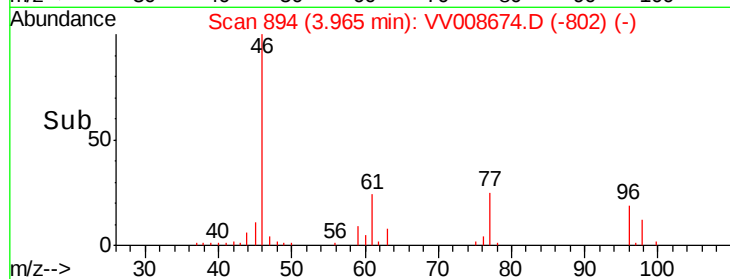
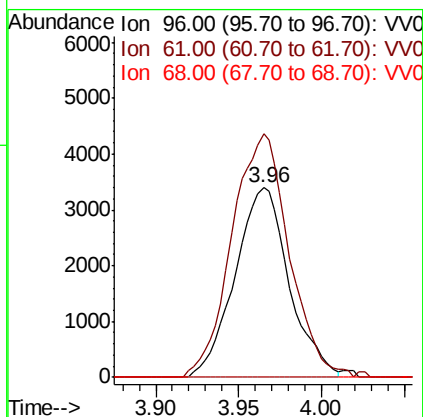
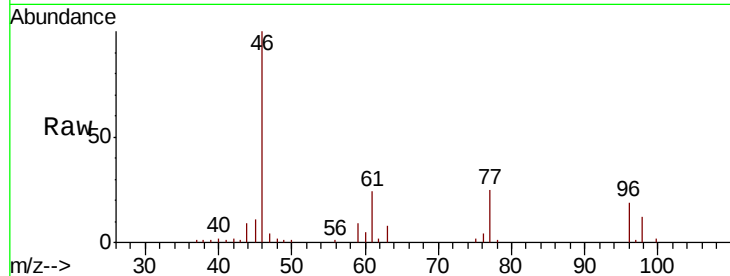




#20
 cis-1,2-Dichloroethene
 Concen: 3.355 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VV008674.D
 Acq: 20 Nov 2018 15:28

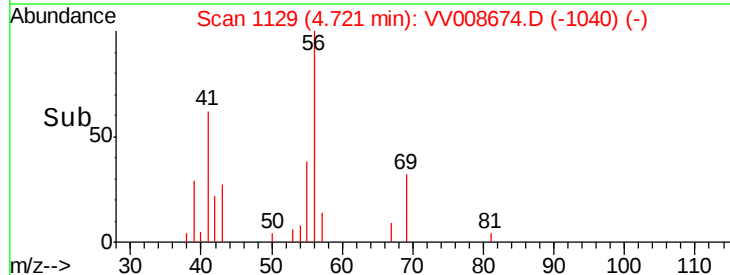
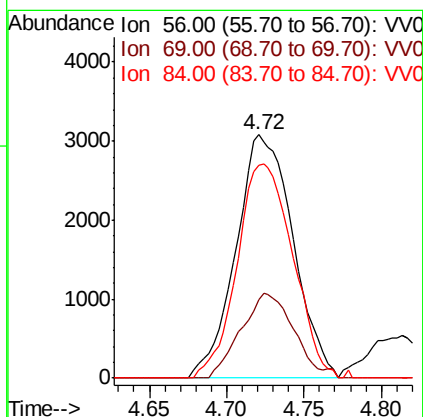
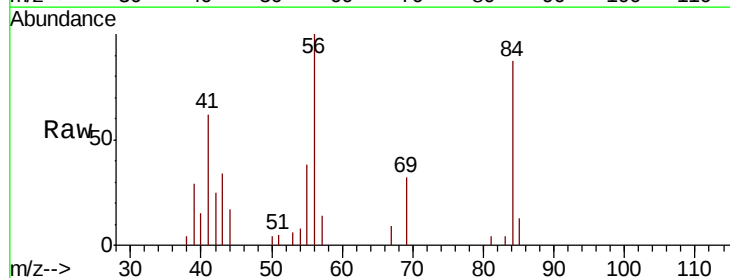
Instrument :
 MSVOA_V
 ClientSampleId :
 E3YA3

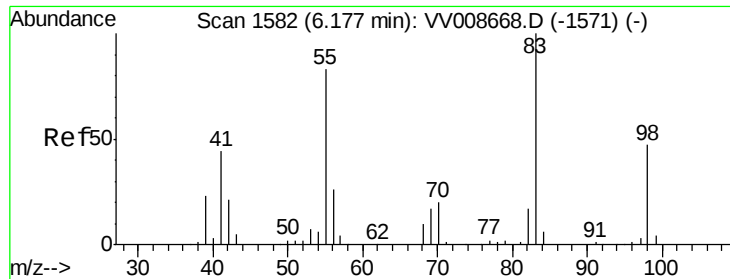
Tgt Ion: 96 Resp: 7736
 Ion Ratio Lower Upper
 96 100
 61 128.7 78.8 146.3
 68 0.0 0.0 0.0



#29
 Cyclohexane
 Concen: 2.219 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: VV008674.D
 Acq: 20 Nov 2018 15:28

Tgt Ion: 56 Resp: 7892
 Ion Ratio Lower Upper
 56 100
 69 31.9 0.0 0.0#
 84 85.9 0.0 0.0#

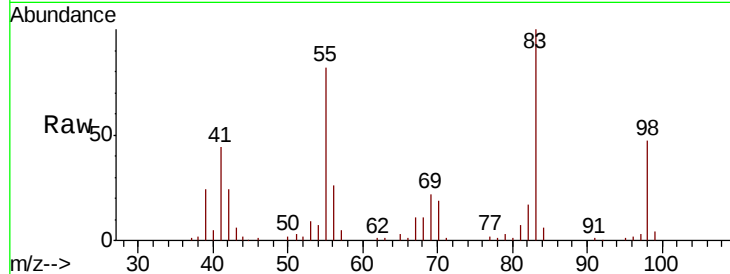




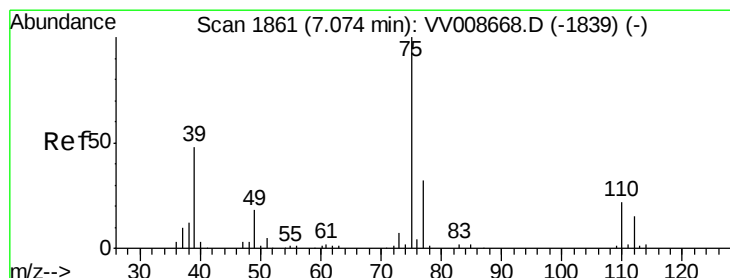
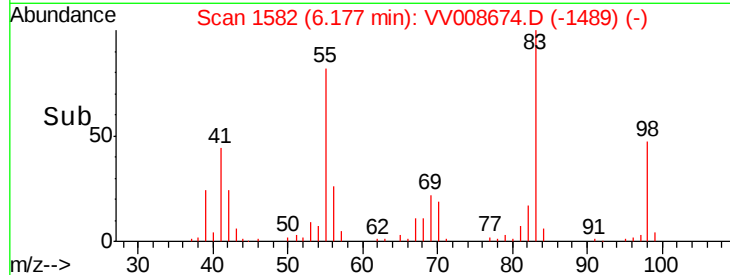
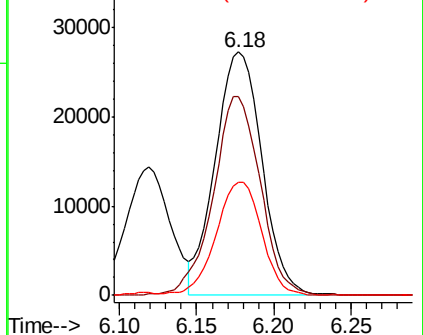
#35
Methylcyclohexane
Concen: 15.542 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VV008674.D
Acq: 20 Nov 2018 15:28

Instrument :
MSVOA_V
ClientSampleId :
E3YA3

Tgt Ion: 83 Resp: 57396
Ion Ratio Lower Upper
83 100
55 81.9 63.0 94.6
98 45.0 35.4 53.0

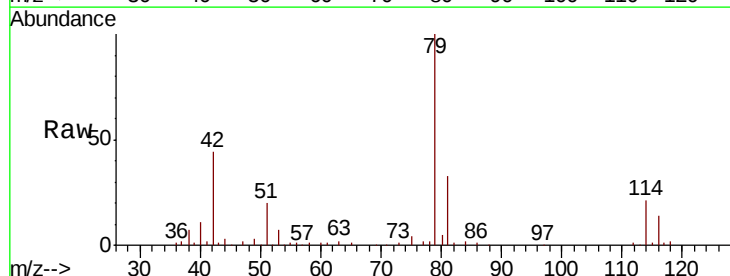


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

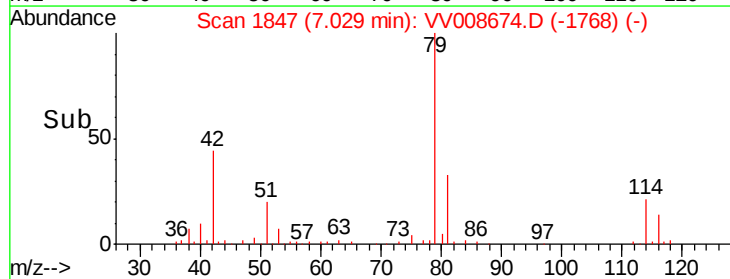
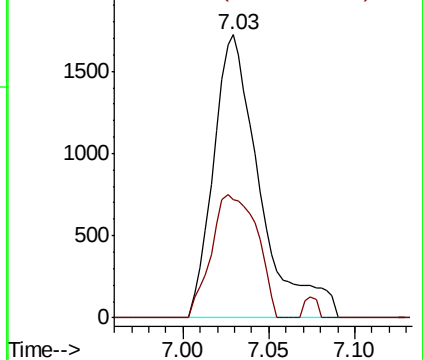


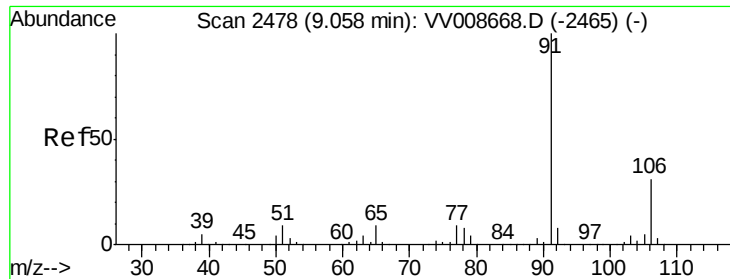
#39
cis-1,3-Dichloropropene
Concen: 1.001 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV008674.D
Acq: 20 Nov 2018 15:28

Tgt Ion: 75 Resp: 3244
Ion Ratio Lower Upper
75 100
77 41.9 20.2 37.4#



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 65.141 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008674.D

Acq: 20 Nov 2018 15:28

Instrument :

MSVOA_V

ClientSampleId :

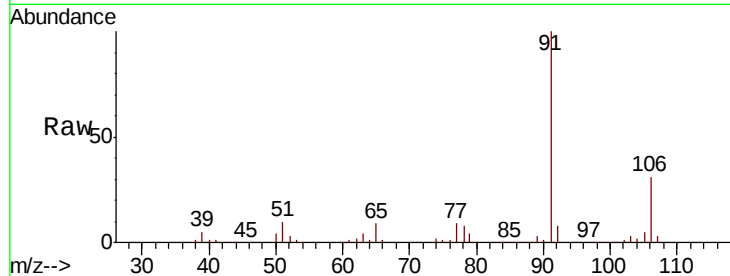
E3YA3

Tgt Ion: 91 Resp: 627256

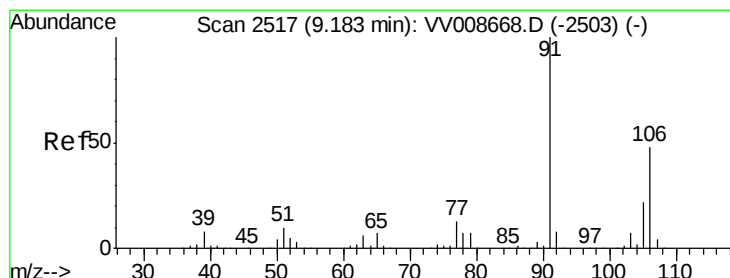
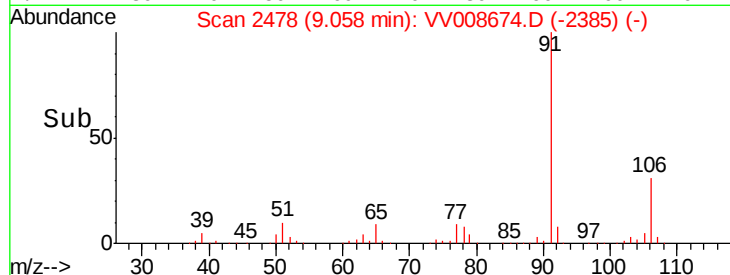
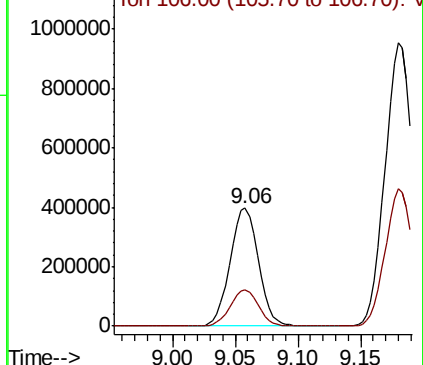
Ion Ratio Lower Upper

91 100

106 30.8 21.2 39.4



Abundance Ion 91.00 (90.70 to 91.70): VV008668.D (-2465) (-)



#53

m,p-Xylene

Concen: 209.533 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV008674.D

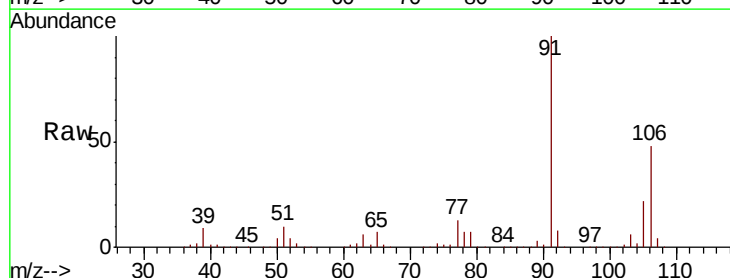
Acq: 20 Nov 2018 15:28

Tgt Ion: 106 Resp: 741407

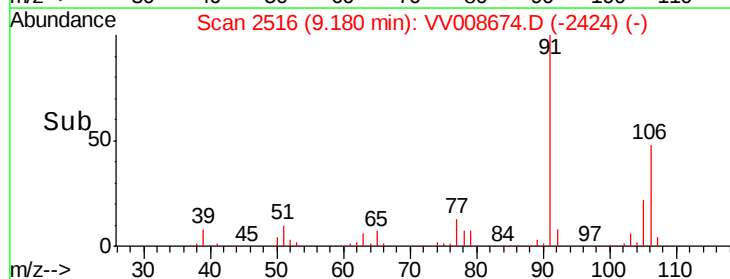
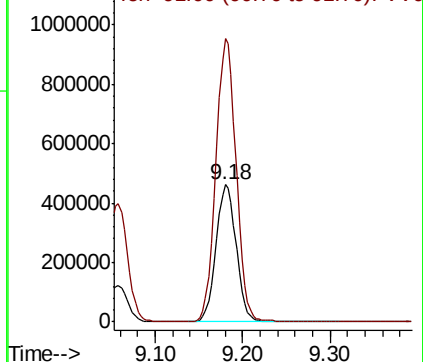
Ion Ratio Lower Upper

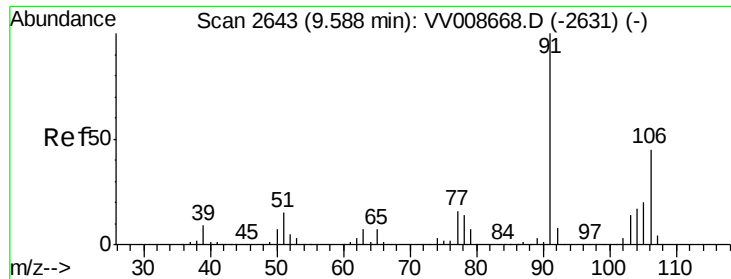
106 100

91 206.6 154.7 287.3



Abundance Ion 106.00 (105.70 to 106.70): VV008668.D (-2503) (-)

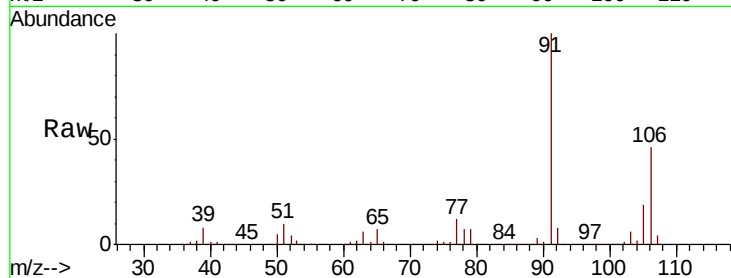




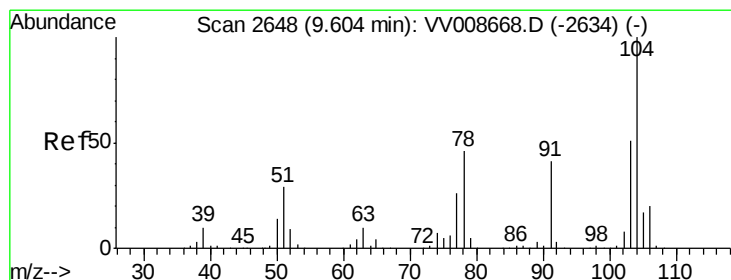
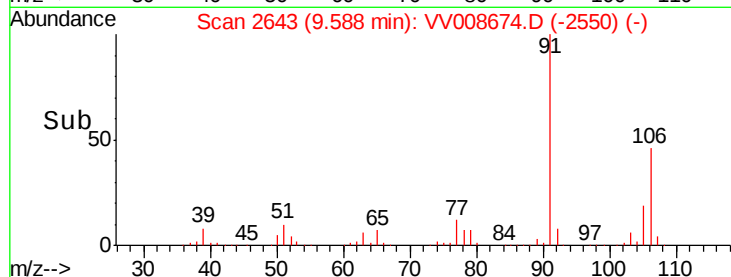
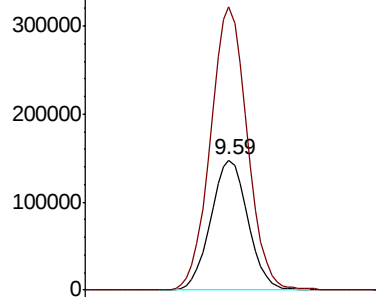
#54
o-xylene
Concen: 65.085 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV008674.D
Acq: 20 Nov 2018 15:28

Instrument :
MSVOA_V
ClientSampleId :
E3YA3

Tgt Ion:106 Resp: 228998
Ion Ratio Lower Upper
106 100
91 217.2 146.7 272.5

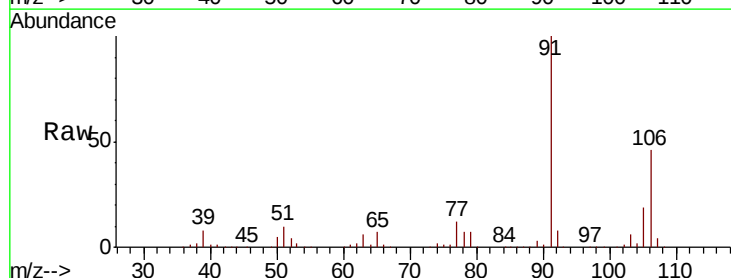


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

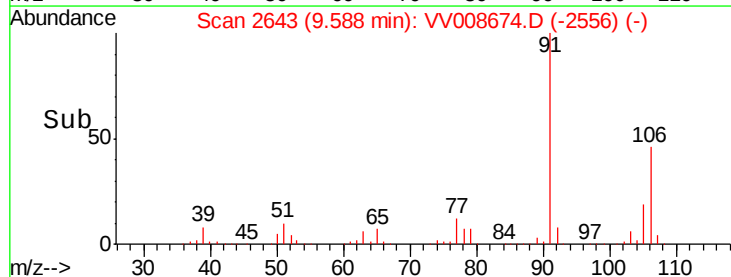
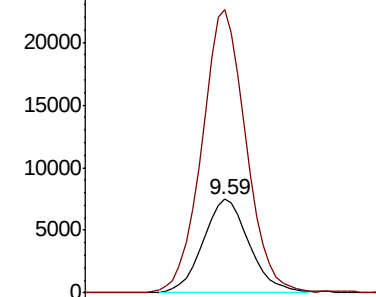


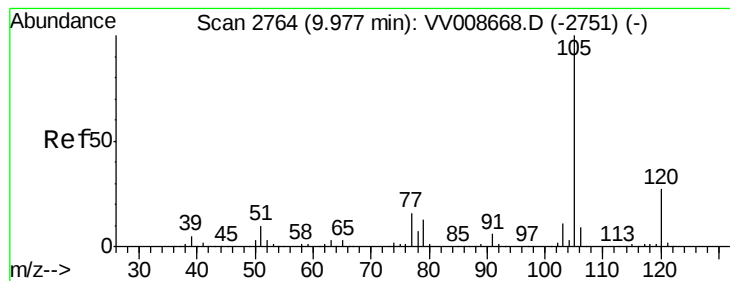
#55
Styrene
Concen: 2.053 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.02 min
Lab File: VV008674.D
Acq: 20 Nov 2018 15:28

Tgt Ion:104 Resp: 12045
Ion Ratio Lower Upper
104 100
78 303.0 32.7 60.7#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 1.865 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008674.D

Acq: 20 Nov 2018 15:28

Instrument :

MSVOA_V

ClientSampleId :

E3YA3

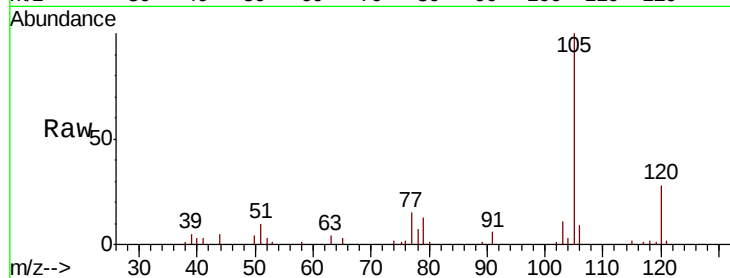
Tgt Ion:105 Resp: 17251

Ion Ratio Lower Upper

105 100

120 27.5 20.5 30.7

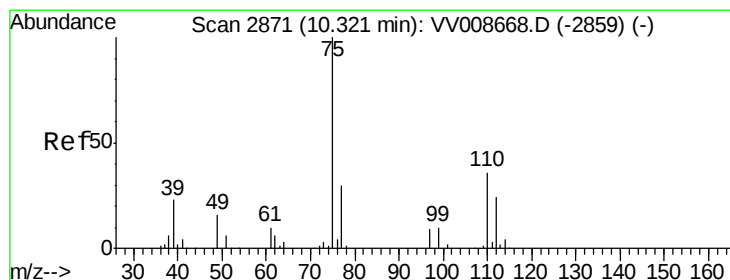
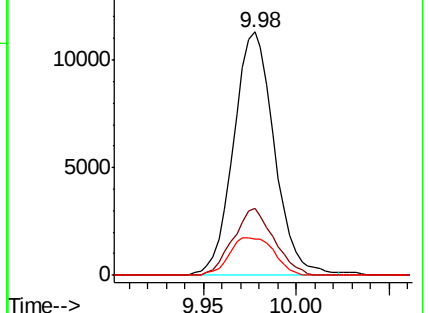
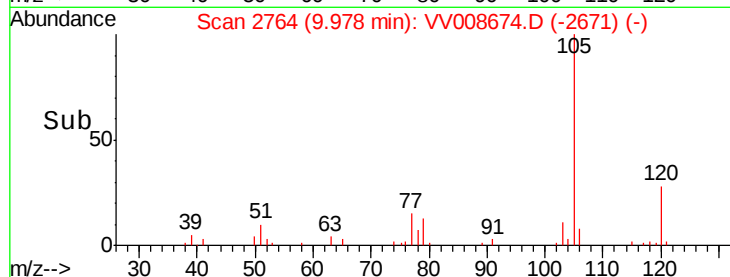
77 16.9 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#59

1,2,3-Trichloropropane

Concen: 5.175 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.97 min

Lab File: VV008674.D

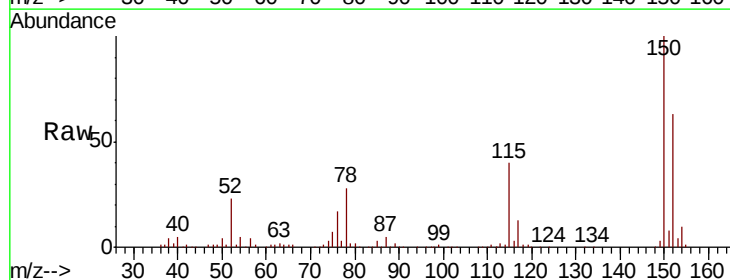
Acq: 20 Nov 2018 15:28

Tgt Ion: 75 Resp: 14943

Ion Ratio Lower Upper

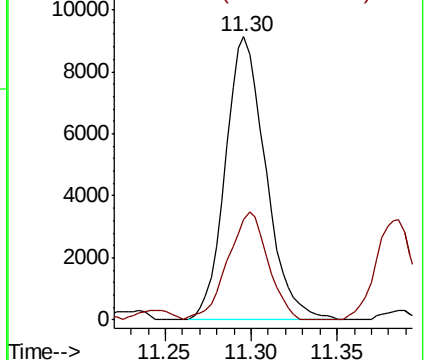
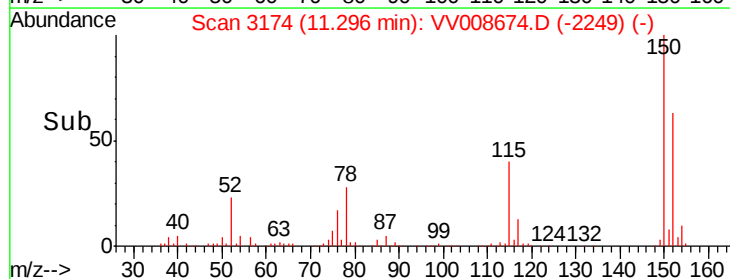
75 100

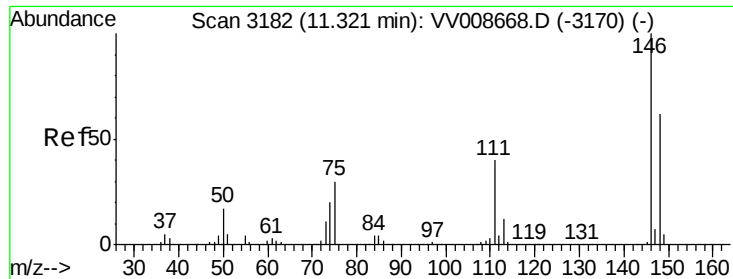
77 37.9 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

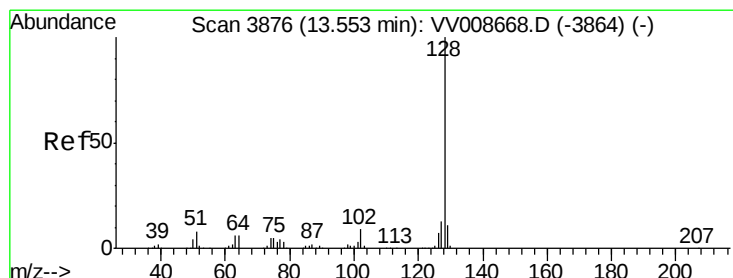
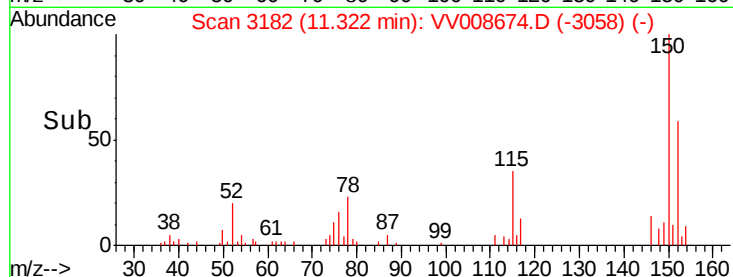
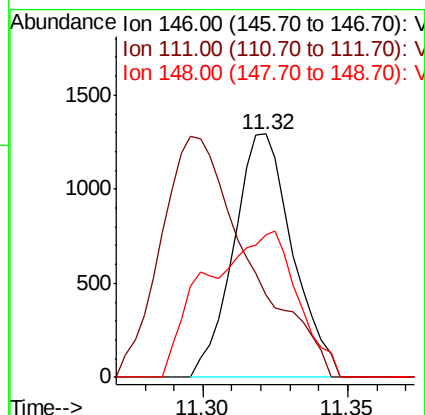
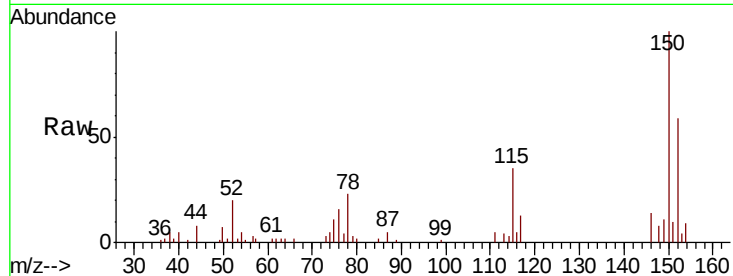




#63
 1,4-Dichlorobenzene
 Concen: 0.441 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008674.D
 Acq: 20 Nov 2018 15:28

Instrument :
 MSVOA_V
 ClientSampleId :
 E3YA3

Tgt Ion:146 Resp: 1825
 Ion Ratio Lower Upper
 146 100
 111 33.9 27.7 51.5
 148 58.5 46.4 86.2



#69
 Naphthalene
 Concen: 1.073 ug/L
 RT: 13.56 min Scan# 3877
 Delta R.T. 0.00 min
 Lab File: VV008674.D
 Acq: 20 Nov 2018 15:28

Tgt Ion:128 Resp: 6557
 Ion Ratio Lower Upper
 128 100
 127 14.8 9.4 14.0#
 129 9.1 8.9 13.3

