

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
 Data File : VV007759.D
 Acq On : 23 Sep 2018 01:46
 Operator : SY/MD
 Sample : J5012-11 500X
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C08N4

Quant Time: Sep 24 02:37:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 24 02:35:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	180191	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	171981	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	94106	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	38842	39.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.32%
7) Chloroethane-d5	1.59	69	39438	44.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.62%
11) 1,1-Dichloroethene-d2	2.14	63	76518	33.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.28%
21) 2-Butanone-d5	3.95	46	59251	91.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.61%
24) Chloroform-d	4.41	84	89372	42.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.24%
26) 1,2-Dichloroethane-d4	5.09	65	62561	46.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.56%
32) Benzene-d6	5.11	84	182795	46.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.48%
36) 1,2-Dichloropropane-d6	6.13	67	54530	46.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.42%
41) Toluene-d8	7.36	98	186088	45.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.10%
43) trans-1,3-Dichloropropene-	7.67	79	21353	36.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.56%
47) 2-Hexanone-d5	8.14	63	43148	83.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.93%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	79813	43.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	88524	45.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.46%

Target Compounds

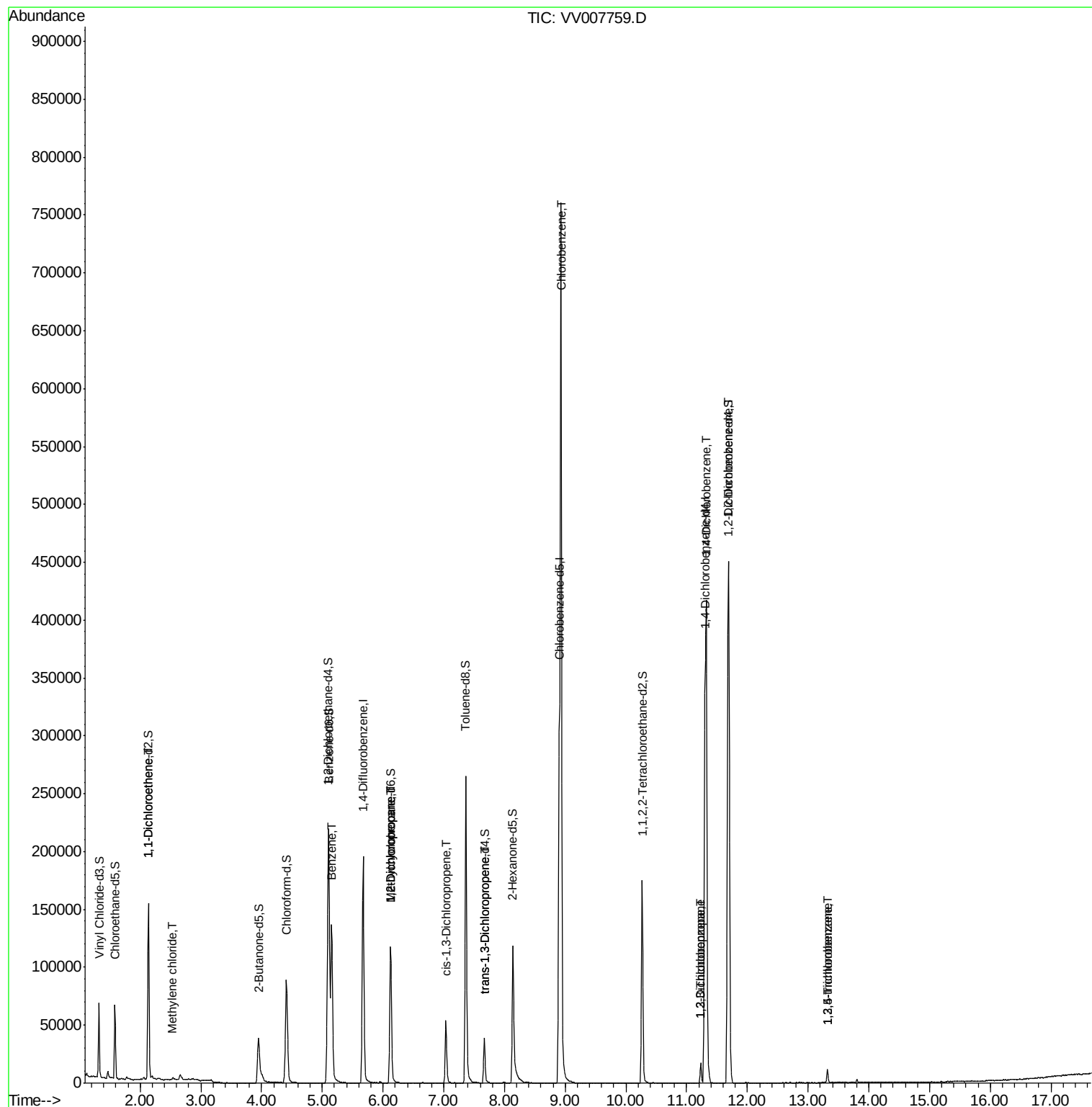
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.14	96	726	0.607	ug/L #	1
16) Methylene chloride	2.54	84	561	0.428	ug/L	98
33) Benzene	5.15	78	133466	32.399	ug/L	100
35) Methylcyclohexane	6.13	83	13839	7.416	ug/L #	21
37) 1,2-Dichloropropane	6.13	63	6535	6.301	ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	1561	0.936	ug/L #	52
44) trans-1,3-Dichloropropene	7.67	75	1132	0.715	ug/L #	77
51) Chlorobenzene	8.93	112	417479	118.690	ug/L	99
59) 1,2,3-Trichloropropane	11.23	75	2001	1.364	ug/L #	43
62) 1,3-Dichlorobenzene	11.23	146	8095	2.713	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	166624	53.837	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	157978	52.362	ug/L	99
67) 1,3,5-Trichlorobenzene	13.32	180	4417	1.763	ug/L	95
68) 1,2,4-trichlorobenzene	13.32	180	4417	1.964	ug/L	94

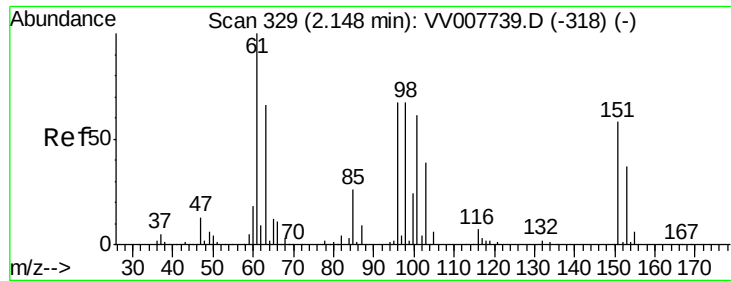
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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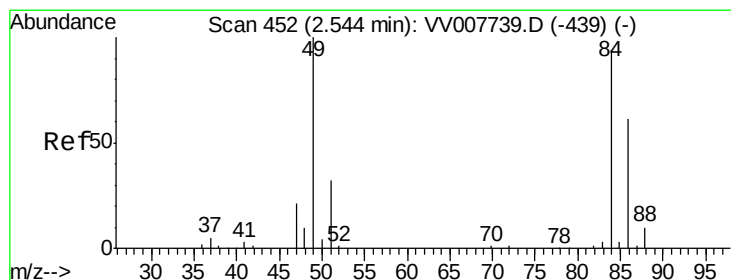
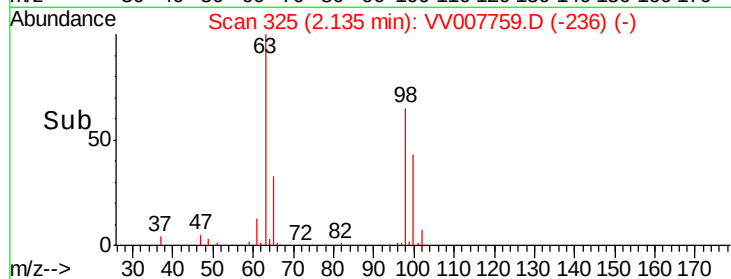
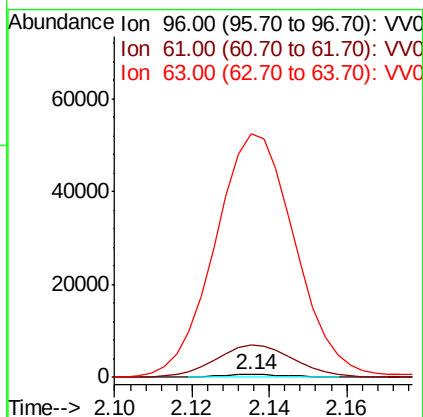
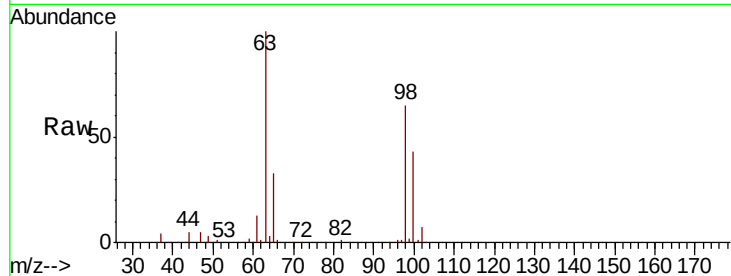




#12
 1,1-Dichloroethene
 Concen: 0.607 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VV007759.D
 Acq: 23 Sep 2018 01:46

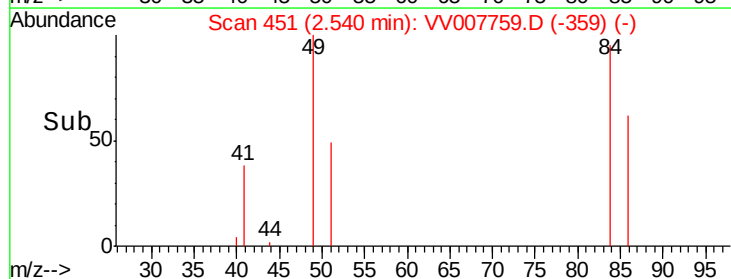
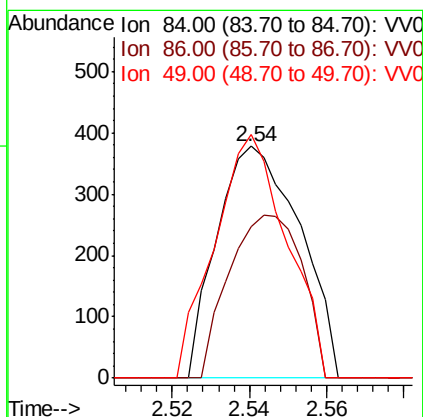
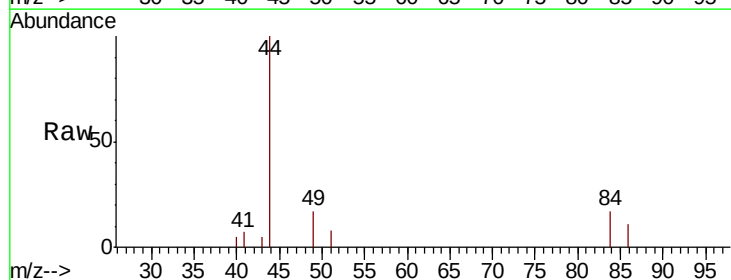
Instrument :
 MSVOA_V
 ClientSampleId :
 C08N4

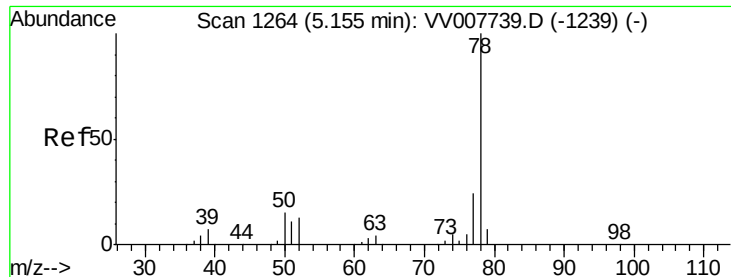
Tgt Ion: 96 Resp: 726
 Ion Ratio Lower Upper
 96 100
 61 1119.8 107.3 199.3#
 63 8303.8 78.8 146.4#



#16
 Methylene chloride
 Concen: 0.428 ug/L
 RT: 2.54 min Scan# 451
 Delta R.T. -0.00 min
 Lab File: VV007759.D
 Acq: 23 Sep 2018 01:46

Tgt Ion: 84 Resp: 561
 Ion Ratio Lower Upper
 84 100
 86 65.6 45.4 84.4
 49 105.0 75.3 139.9





#33

Benzene

Concen: 32.399 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VV007759.D

Acq: 23 Sep 2018 01:46

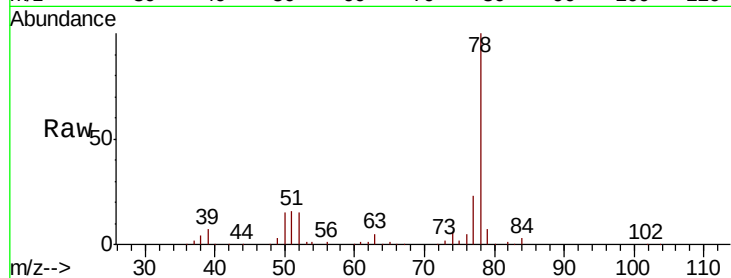
Instrument :

MSVOA_V

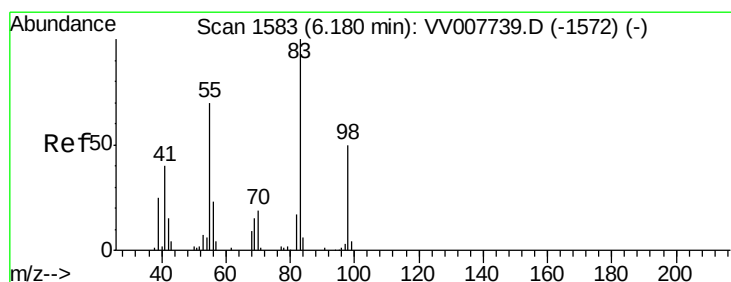
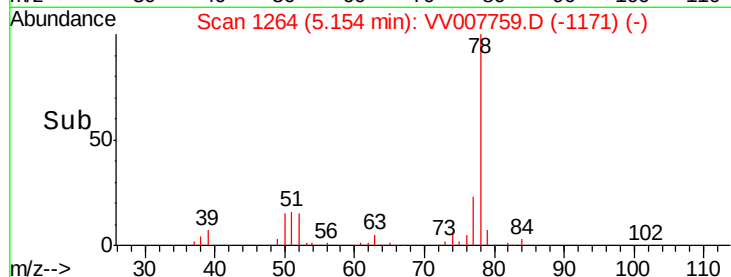
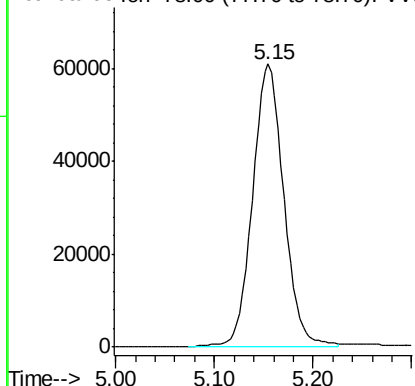
ClientSampled :

C08N4

Tgt Ion: 78 Resp: 133466



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Methylcyclohexane

Concen: 7.416 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.05 min

Lab File: VV007759.D

Acq: 23 Sep 2018 01:46

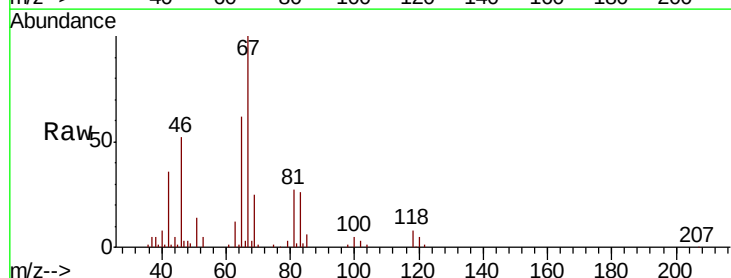
Tgt Ion: 83 Resp: 13839

Ion Ratio Lower Upper

83 100

55 0.0 54.6 82.0#

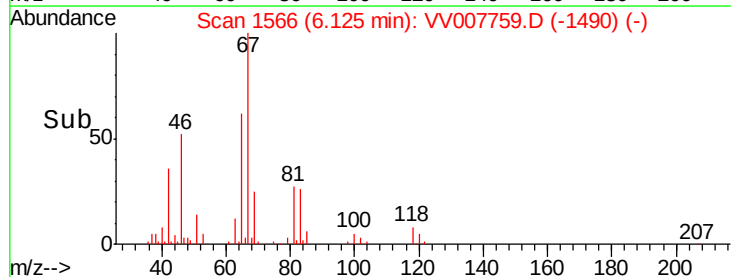
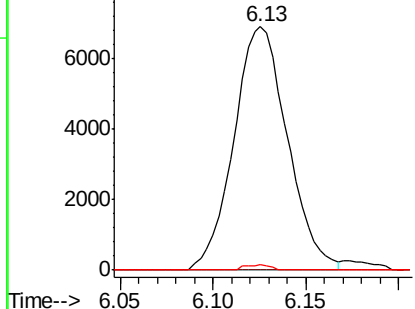
98 0.7 39.0 58.6#

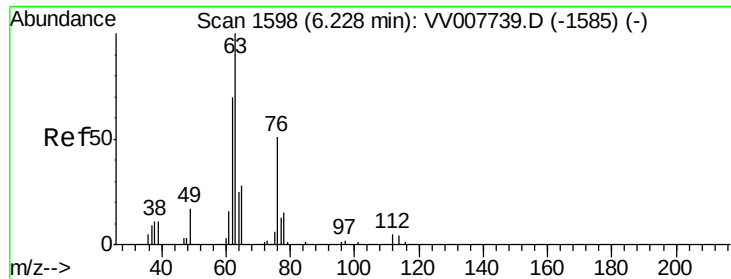


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 6.301 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.10 min

Lab File: VV007759.D

Acq: 23 Sep 2018 01:46

Instrument :

MSVOA_V

ClientSampleId :

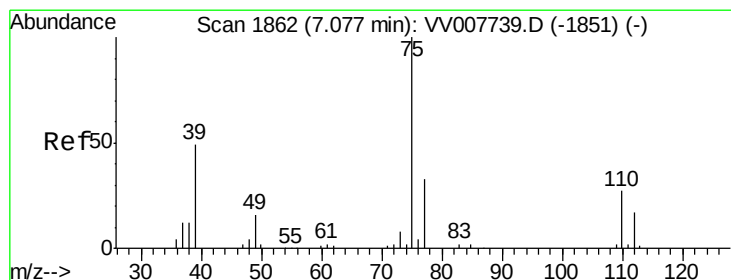
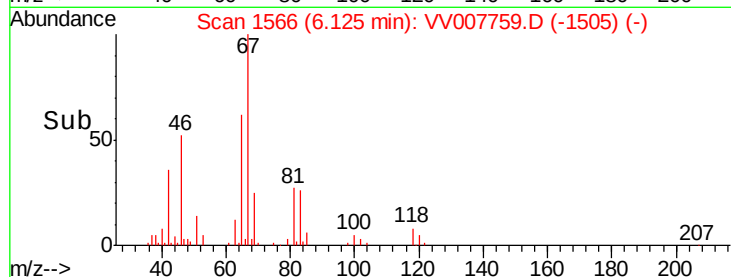
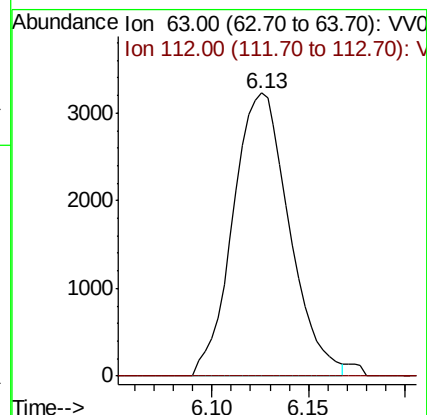
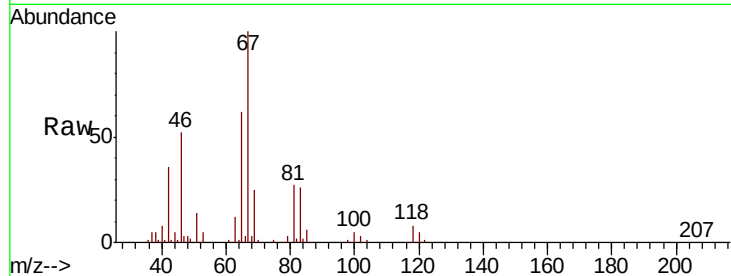
C08N4

Tgt Ion: 63 Resp: 6535

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.936 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.05 min

Lab File: VV007759.D

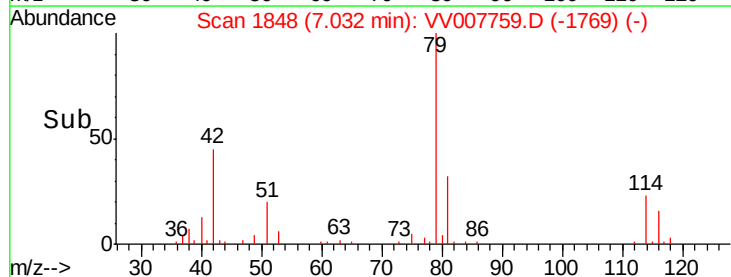
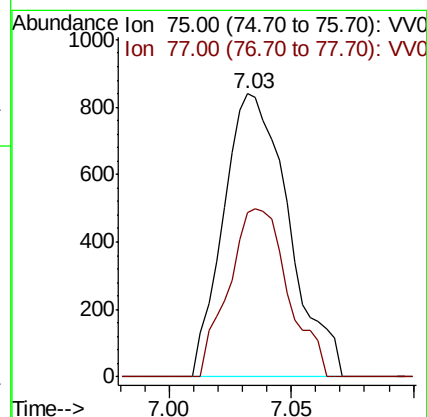
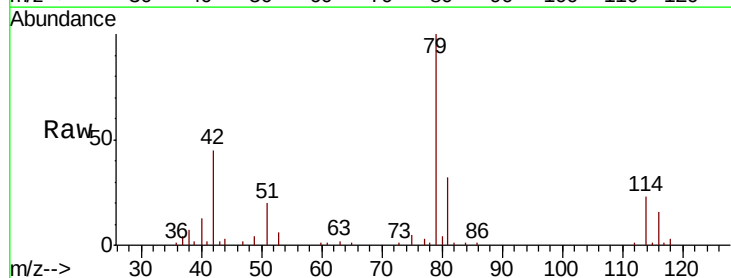
Acq: 23 Sep 2018 01:46

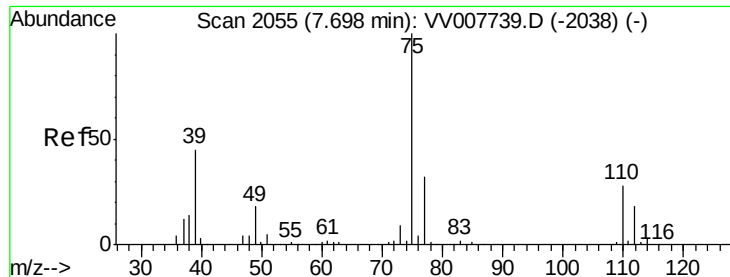
Tgt Ion: 75 Resp: 1561

Ion Ratio Lower Upper

75 100

77 58.0 22.0 40.8#





#44

trans-1,3-Dichloropropene

Concen: 0.715 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.03 min

Lab File: VV007759.D

Acq: 23 Sep 2018 01:46

Instrument :

MSVOA_V

ClientSampleId :

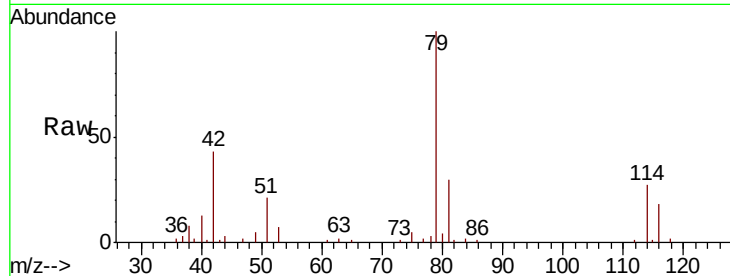
C08N4

Tgt Ion: 75 Resp: 1132

Ion Ratio Lower Upper

75 100

77 44.1 22.0 40.8#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

600

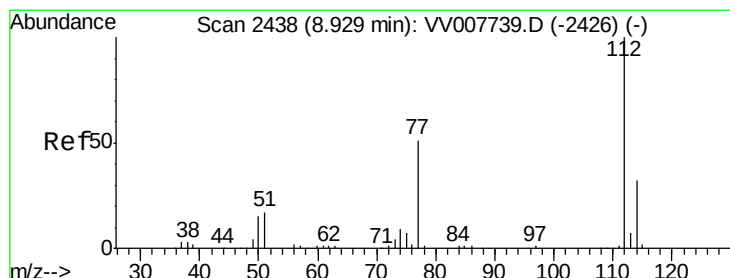
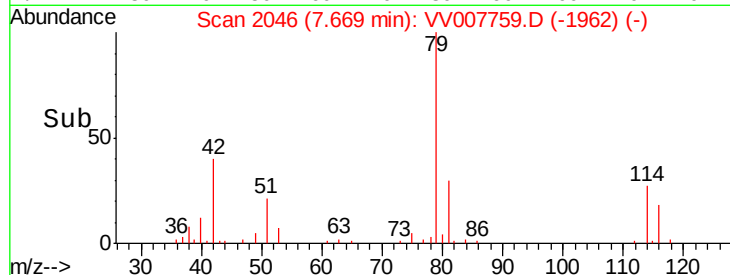
400

200

0

7.64 7.66 7.68 7.70

Time-->



#51

Chlorobenzene

Concen: 118.690 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VV007759.D

Acq: 23 Sep 2018 01:46

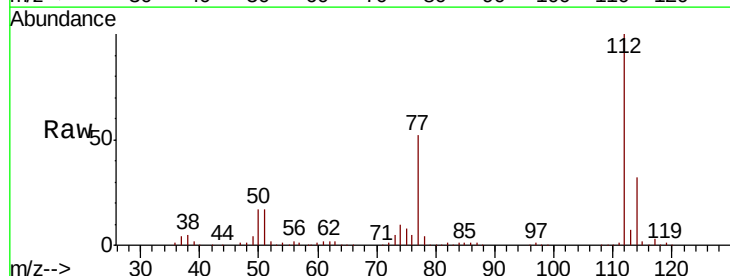
Tgt Ion: 112 Resp: 417479

Ion Ratio Lower Upper

112 100

114 32.0 22.3 41.3

77 51.9 40.6 60.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0

8.93

300000

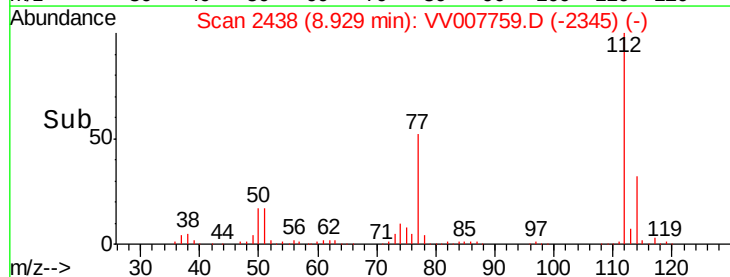
200000

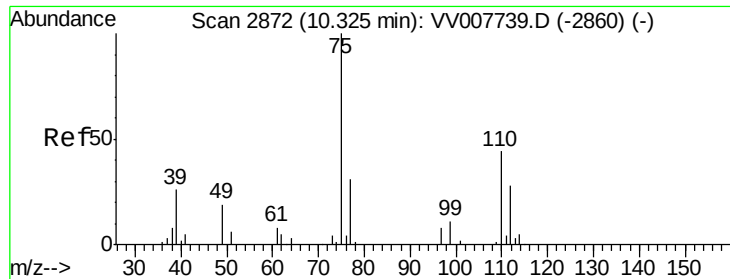
100000

0

8.85 8.90 8.95 9.00 9.05

Time-->





#59

1,2,3-Trichloropropane

Concen: 1.364 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.91 min

Lab File: VV007759.D

Acq: 23 Sep 2018 01:46

Instrument :

MSVOA_V

ClientSampled :

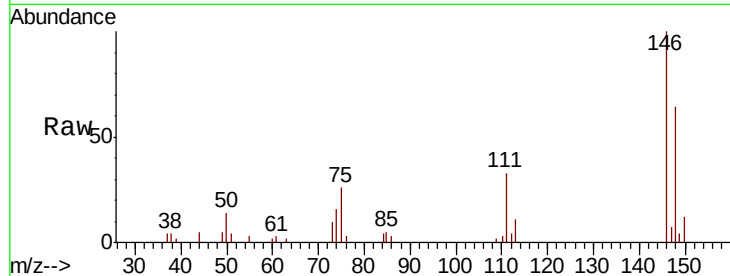
C08N4

Tgt Ion: 75 Resp: 2001

Ion Ratio Lower Upper

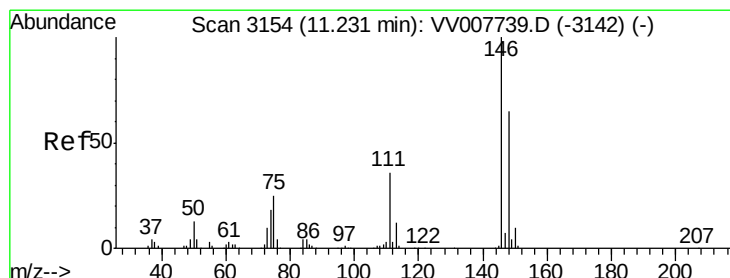
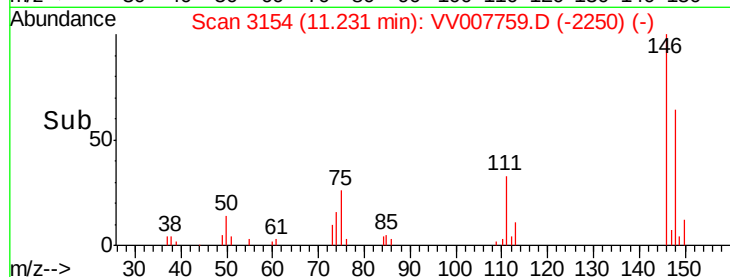
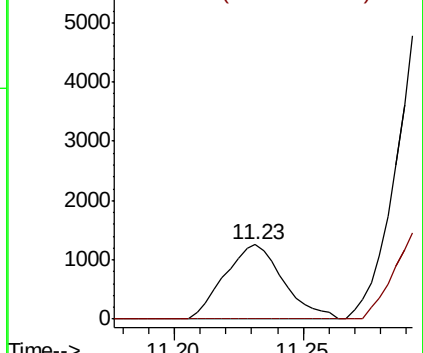
75 100

77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#62

1,3-Dichlorobenzene

Concen: 2.713 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. -0.00 min

Lab File: VV007759.D

Acq: 23 Sep 2018 01:46

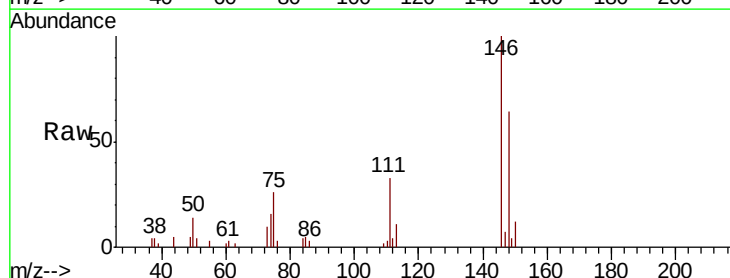
Tgt Ion: 146 Resp: 8095

Ion Ratio Lower Upper

146 100

111 32.8 25.1 46.7

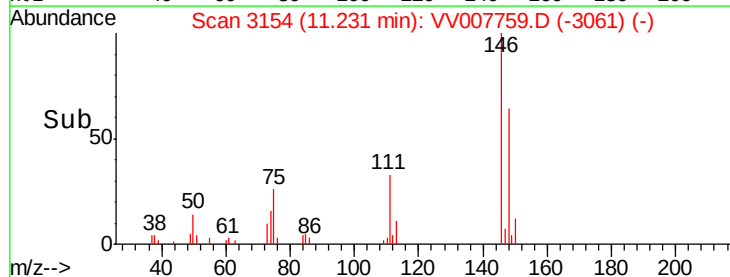
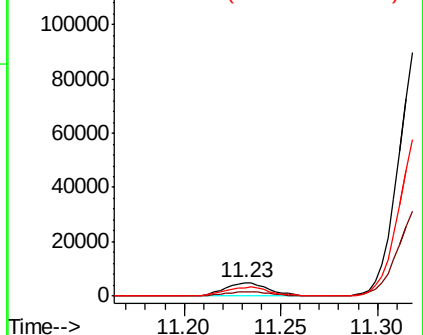
148 64.3 45.1 83.9

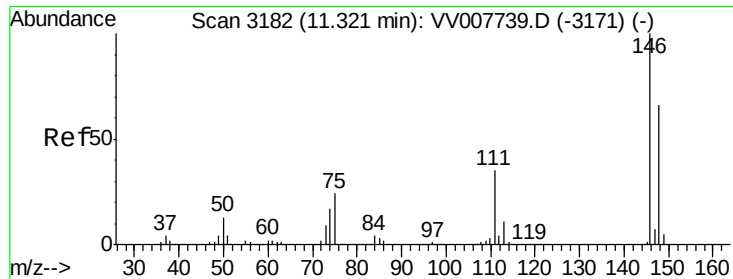


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

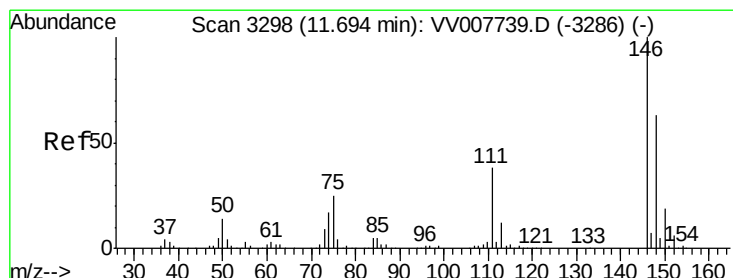
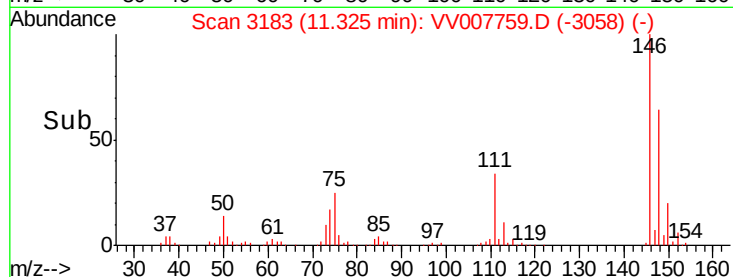
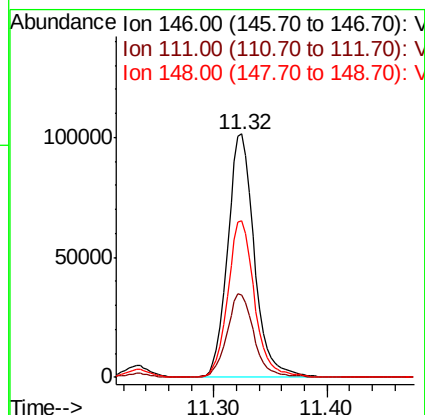
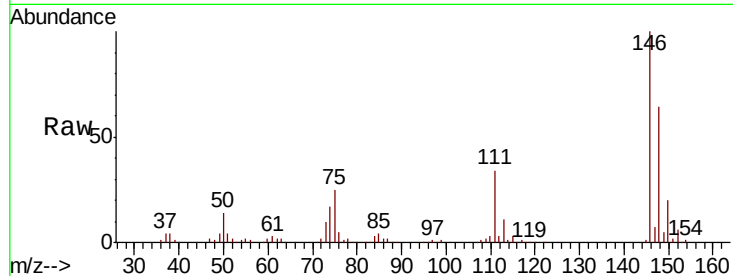




#63
 1,4-Dichlorobenzene
 Concen: 53.837 ug/L
 RT: 11.32 min Scan# 3183
 Delta R.T. 0.00 min
 Lab File: VV007759.D
 Acq: 23 Sep 2018 01:46

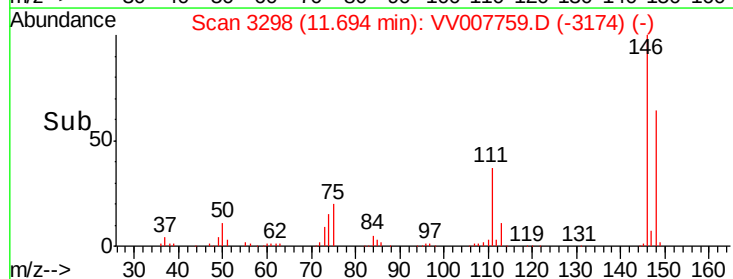
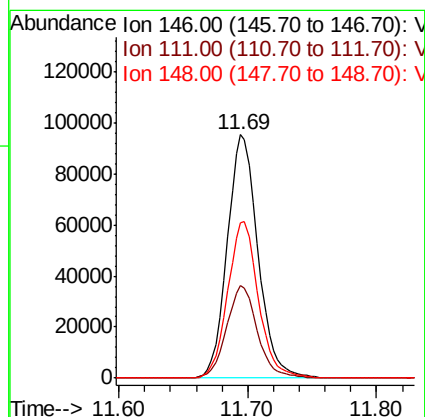
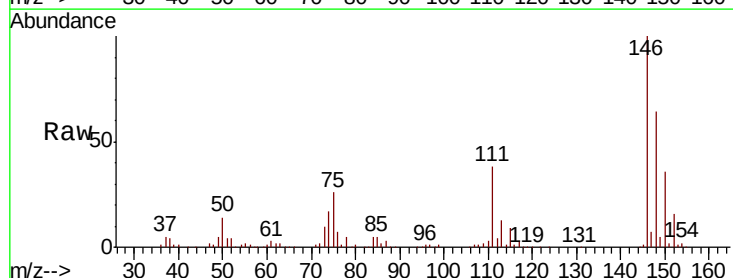
Instrument :
 MSVOA_V
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 C08N4

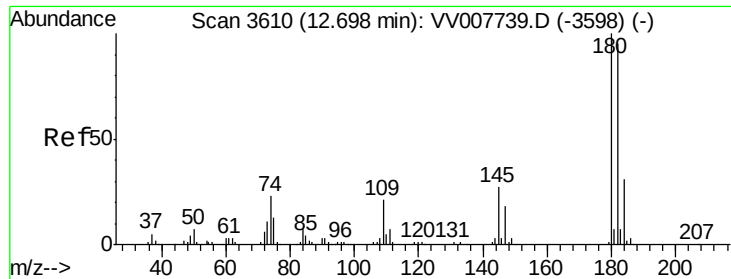
Tgt Ion:146 Resp: 166624
 Ion Ratio Lower Upper
 146 100
 111 34.1 24.4 45.4
 148 64.5 45.1 83.7



#65
 1,2-Dichlorobenzene
 Concen: 52.362 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV007759.D
 Acq: 23 Sep 2018 01:46

Tgt Ion:146 Resp: 157978
 Ion Ratio Lower Upper
 146 100
 111 37.8 29.8 44.8
 148 64.0 50.8 76.2

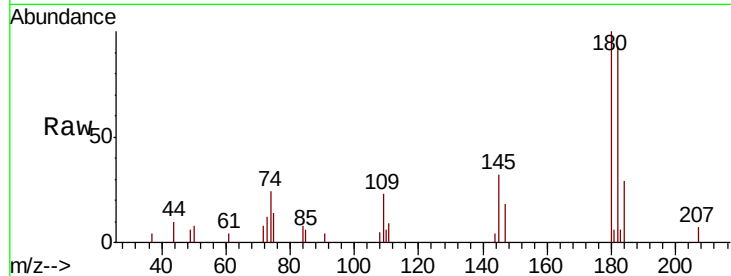




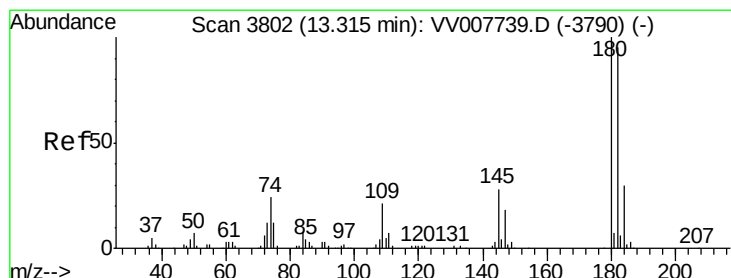
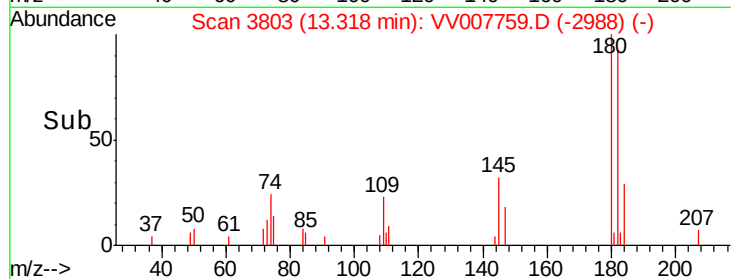
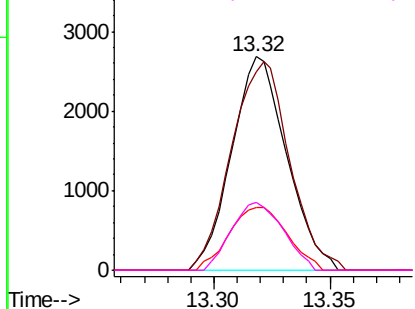
#67
 1,3,5-Trichlorobenzene
 Concen: 1.763 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.62 min
 Lab File: VV007759.D
 Acq: 23 Sep 2018 01:46

Instrument :
 MSVOA_V
 ClientSampleId :
 C08N4

Tgt Ion:180 Resp: 4417
 Ion Ratio Lower Upper
 180 100
 182 102.9 77.6 116.4
 184 31.0 24.7 37.1
 145 29.7 21.8 32.8

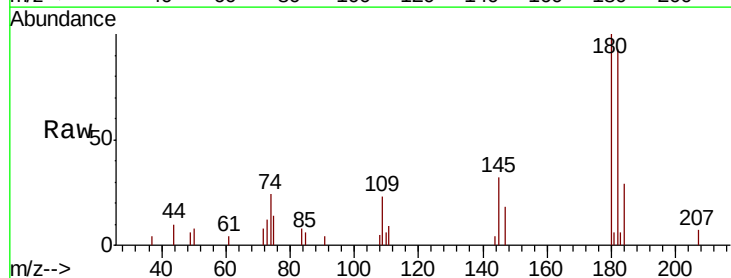


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 1.964 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.00 min
 Lab File: VV007759.D
 Acq: 23 Sep 2018 01:46

Tgt Ion:180 Resp: 4417
 Ion Ratio Lower Upper
 180 100
 182 102.9 77.0 115.6
 145 29.7 22.2 33.2



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

