

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
 Data File : VV007787.D
 Acq On : 23 Sep 2018 14:43
 Operator : SY/MD
 Sample : J5014-02
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E8JB2

Quant Time: Sep 24 07:21:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 24 07:19:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	180276	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	176638	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	103402	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	35233	35.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.92%
7) Chloroethane-d5	1.59	69	38140	42.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.68%
11) 1,1-Dichloroethene-d2	2.14	63	75273	32.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.18%
21) 2-Butanone-d5	3.95	46	54637	84.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.43%
24) Chloroform-d	4.41	84	86392	41.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.36%
26) 1,2-Dichloroethane-d4	5.09	65	61096	45.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.32%
32) Benzene-d6	5.11	84	178098	43.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.74%
36) 1,2-Dichloropropane-d6	6.13	67	52764	44.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.02%
41) Toluene-d8	7.36	98	184223	43.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.84%
43) trans-1,3-Dichloropropene-	7.67	79	23520	38.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.82%
47) 2-Hexanone-d5	8.14	63	45704	86.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.56%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	84426	45.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.22%
64) 1,2-Dichlorobenzene-d4	11.68	152	97668	45.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.84%

Target Compounds

					Qvalue
8) Chloroethane	1.47	64	1257	1.613 ug/L #	59
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	768	0.563 ug/L #	14
12) 1,1-Dichloroethene	2.14	96	692	0.579 ug/L #	1
17) trans-1,2-Dichloroethene	2.79	96	535	0.397 ug/L	81
20) cis-1,2-Dichloroethene	3.97	96	907	0.750 ug/L	96
34) Trichloroethene	5.97	95	2174	1.737 ug/L	89
42) Toluene	7.44	91	2074	0.414 ug/L	90
44) trans-1,3-Dichloropropene	7.67	75	1150	0.707 ug/L #	77
45) 1,1,2-Trichloroethane	7.84	97	564	0.471 ug/L #	15
48) 2-Hexanone	8.14	43	7333	6.758 ug/L #	62
52) Ethylbenzene	9.06	91	10224	1.803 ug/L	97
53) m,p-Xylene	9.19	106	13540	5.967 ug/L	99
54) o-xylene	9.59	106	11401	5.151 ug/L	92
56) Isopropylbenzene	9.98	105	7083	1.187 ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	6021	3.161 ug/L #	41
66) 1,2-Dibromo-3-chloropropan	12.46	75	1459	3.639 ug/L #	1
69) Naphthalene	13.56	128	20262	3.198 ug/L #	91

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Quant Title : VOC Analysis
QLast Update : Mon Sep 24 07:19:48 2018
Response via : Initial Calibration

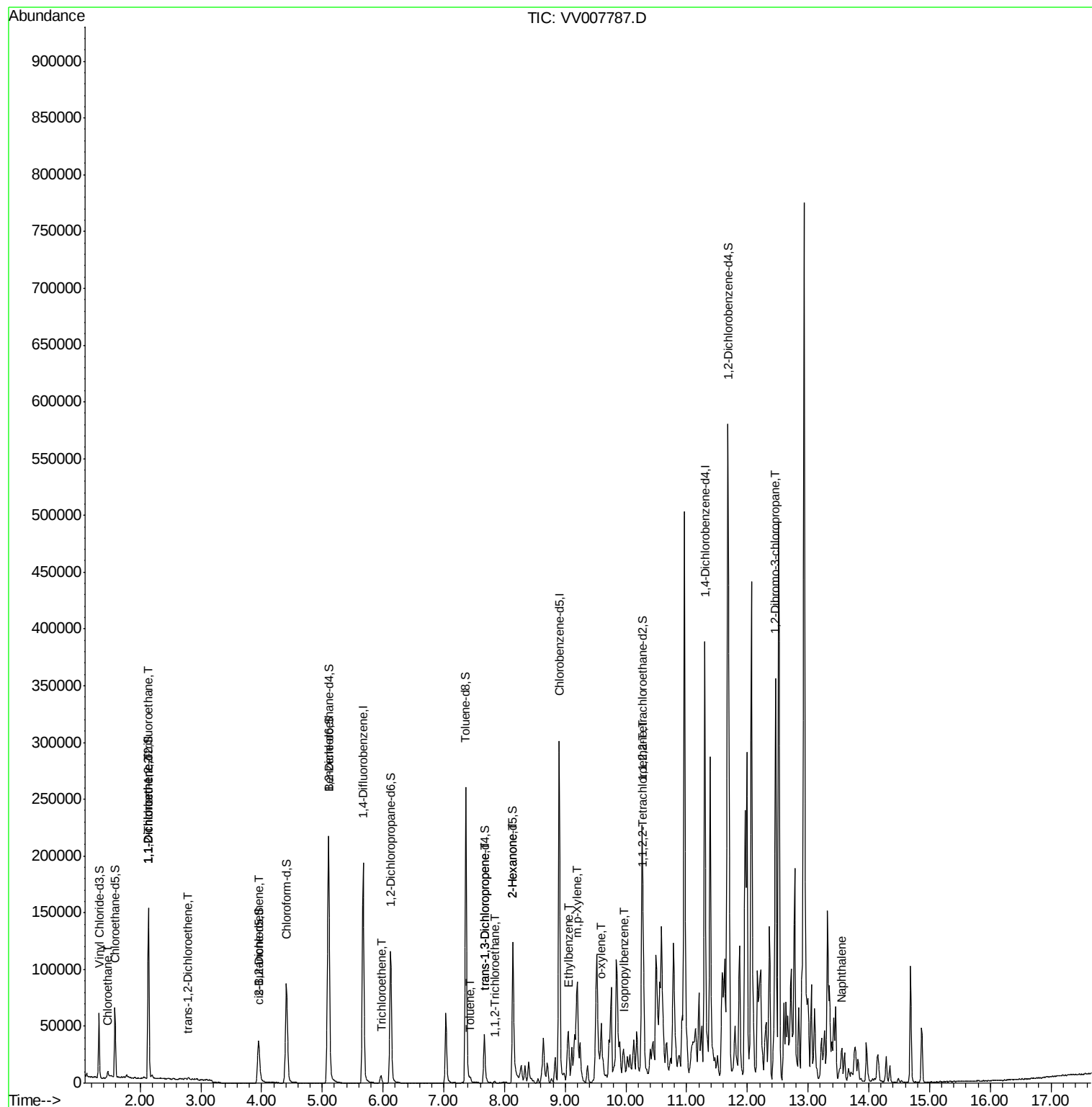
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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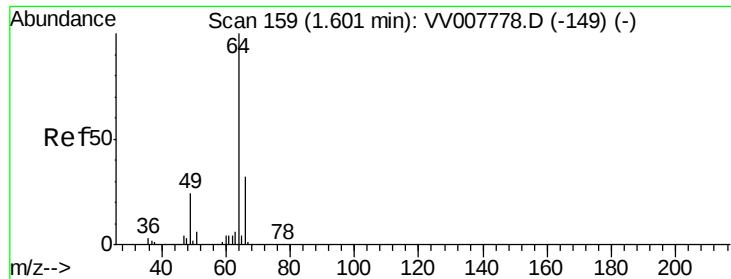
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 1.613 ug/L

RT: 1.47 min Scan# 119

Delta R.T. -0.13 min

Lab File: VV007787.D

Acq: 23 Sep 2018 14:43

Instrument :

MSVOA_V

ClientSampleId :

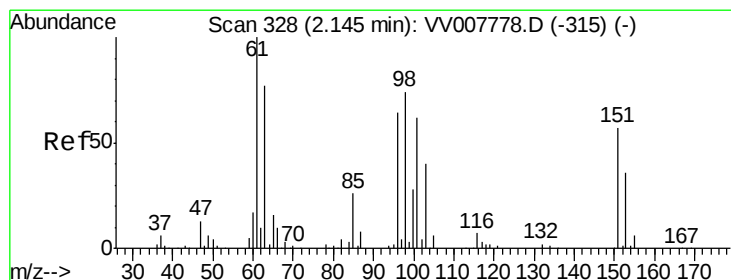
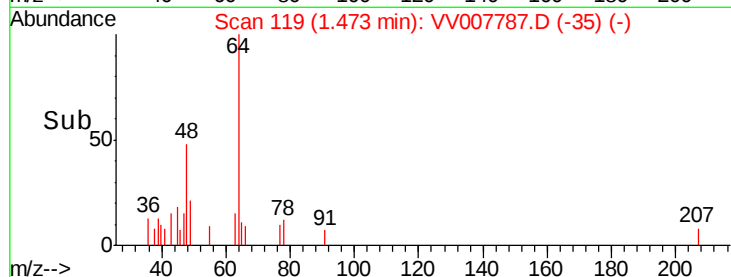
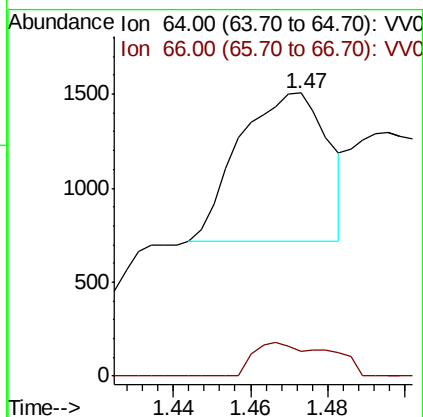
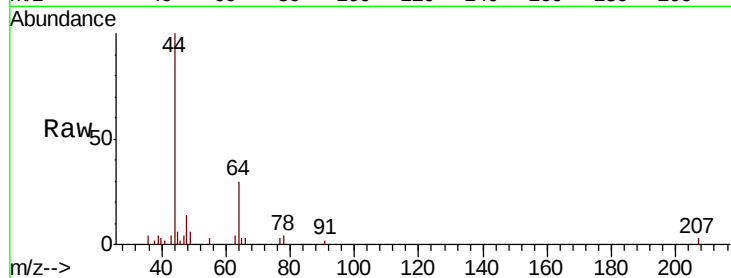
E8JB2

Tgt Ion: 64 Resp: 1257

Ion Ratio Lower Upper

64 100

66 8.9 22.3 41.5#



#10

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

Concen: 0.563 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VV007787.D

Acq: 23 Sep 2018 14:43

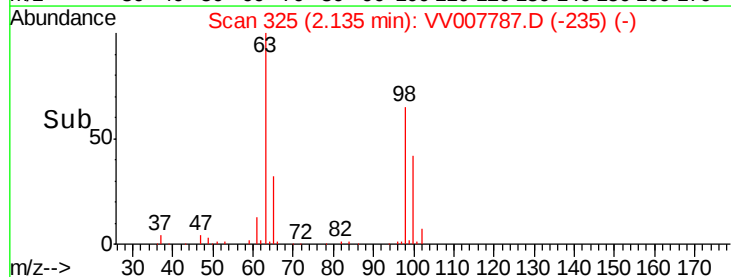
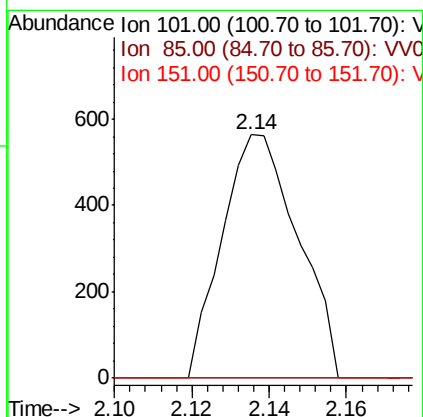
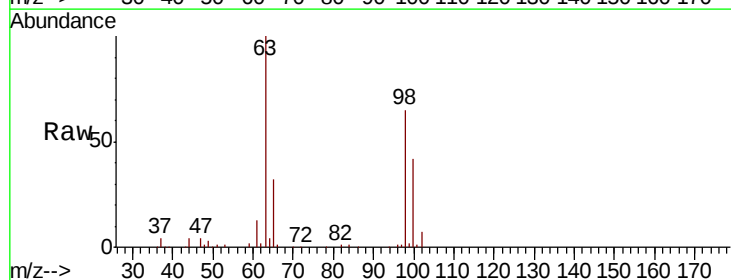
Tgt Ion: 101 Resp: 768

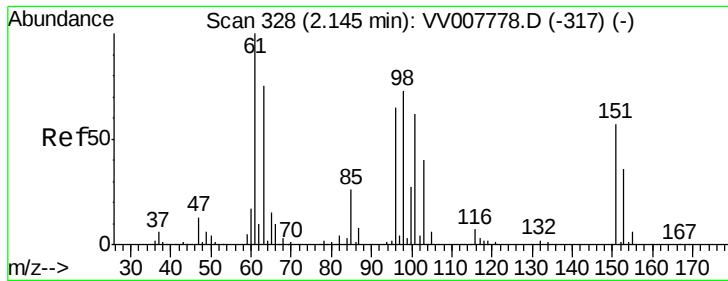
Ion Ratio Lower Upper

101 100

85 0.0 32.7 49.1#

151 0.0 72.2 108.2#

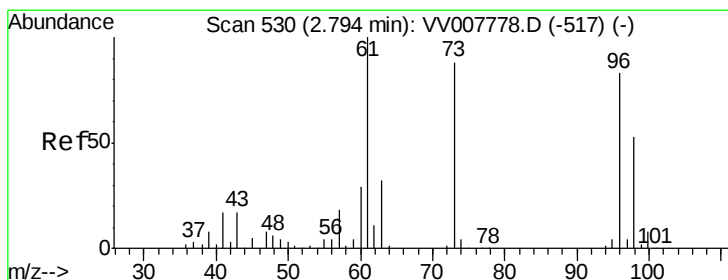
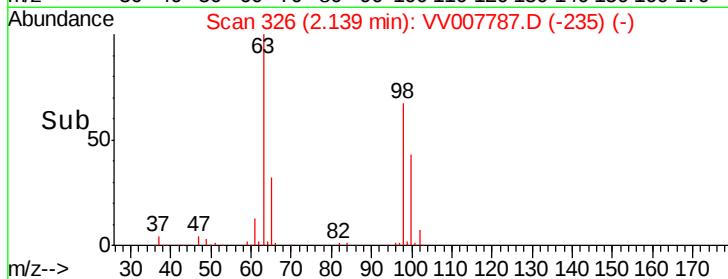
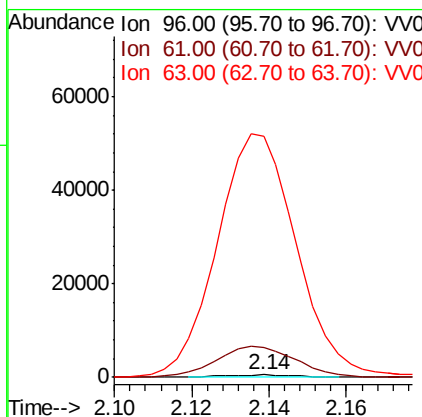
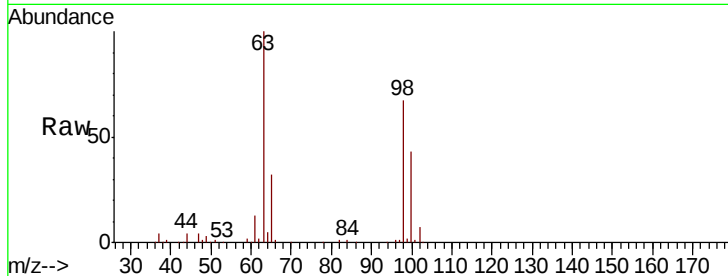




#12
 1,1-Dichloroethene
 Concen: 0.579 ug/L
 RT: 2.14 min Scan# 326
 Delta R.T. -0.01 min
 Lab File: VV007787.D
 Acq: 23 Sep 2018 14:43

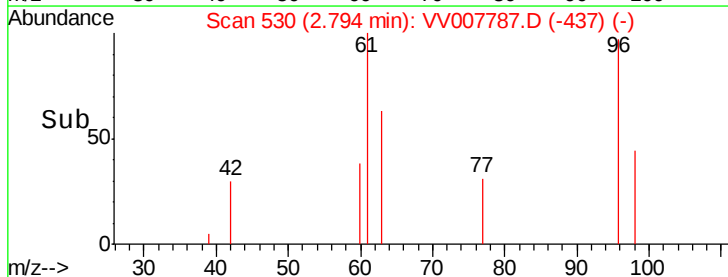
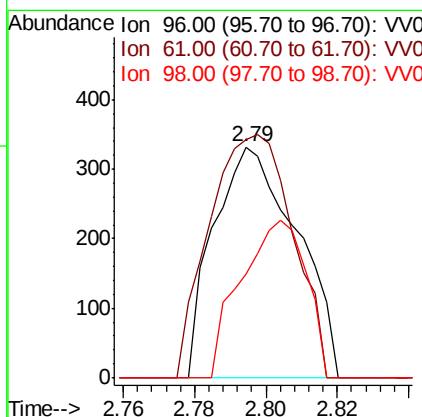
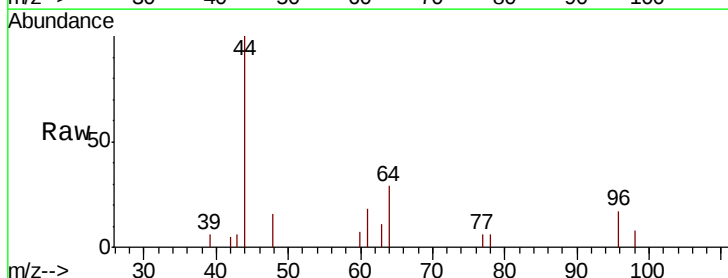
Instrument :
 MSVOA_V
 ClientSampleId :
 E8JB2

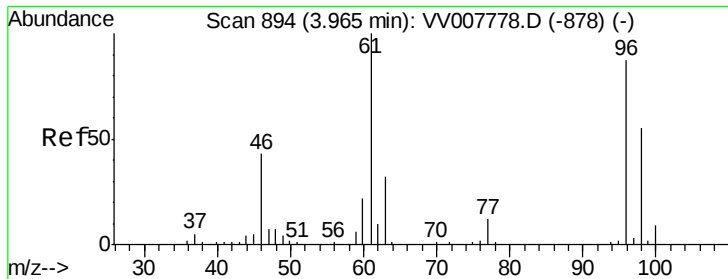
Tgt Ion: 96 Resp: 692
 Ion Ratio Lower Upper
 96 100
 61 1261.0 107.3 199.3#
 63 10038.2 78.8 146.4#



#17
 trans-1,2-Dichloroethene
 Concen: 0.397 ug/L
 RT: 2.79 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VV007787.D
 Acq: 23 Sep 2018 14:43

Tgt Ion: 96 Resp: 535
 Ion Ratio Lower Upper
 96 100
 61 103.3 84.9 157.7
 98 45.2 44.6 82.8

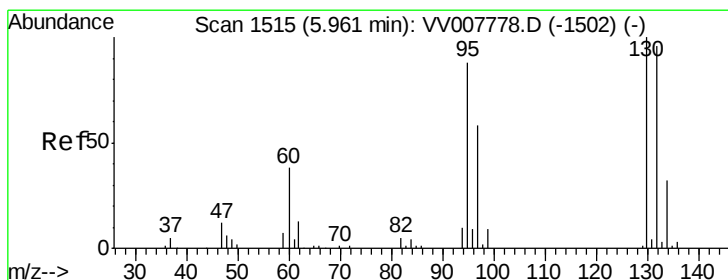
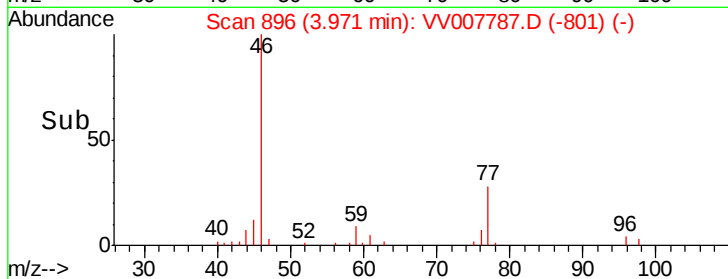
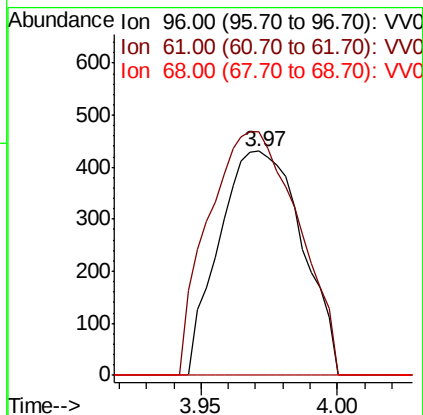
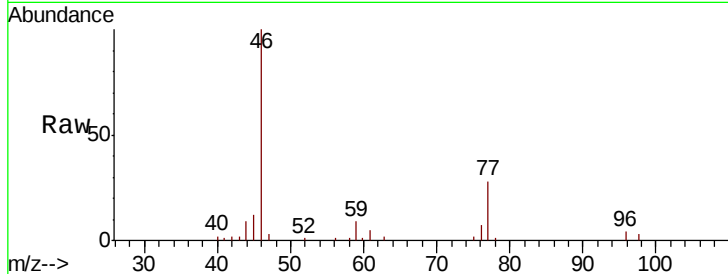




#20
 cis-1,2-Dichloroethene
 Concen: 0.750 ug/L
 RT: 3.97 min Scan# 896
 Delta R.T. 0.01 min
 Lab File: VV007787.D
 Acq: 23 Sep 2018 14:43

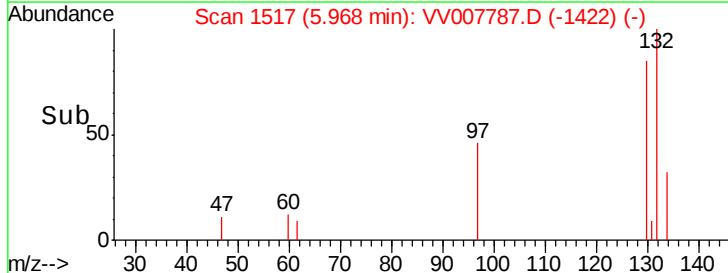
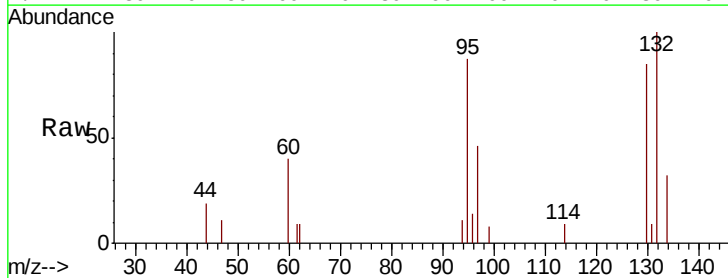
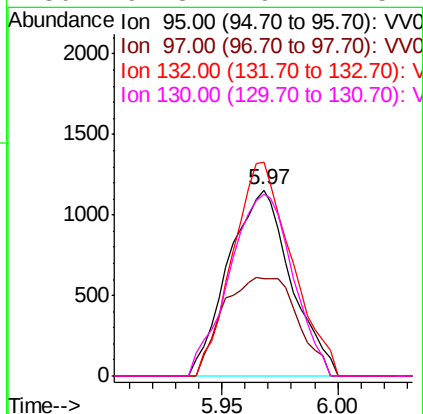
Instrument :
 MSVOA_V
 ClientSampleId :
 E8JB2

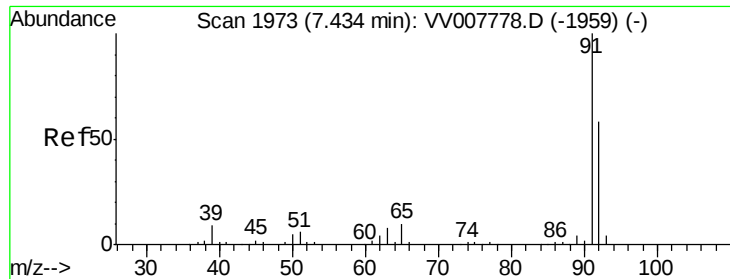
Tgt Ion: 96 Resp: 907
 Ion Ratio Lower Upper
 96 100
 61 108.4 78.8 146.3
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 1.737 ug/L
 RT: 5.97 min Scan# 1517
 Delta R.T. 0.01 min
 Lab File: VV007787.D
 Acq: 23 Sep 2018 14:43

Tgt Ion: 95 Resp: 2174
 Ion Ratio Lower Upper
 95 100
 97 52.6 45.2 84.0
 132 115.1 77.7 144.3
 130 97.8 79.7 148.1





#42

Toluene

Concen: 0.414 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV007787.D

Acq: 23 Sep 2018 14:43

Instrument :

MSVOA_V

ClientSampled :

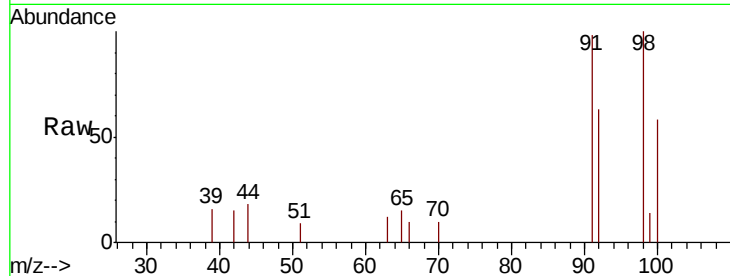
E8JB2

Tgt Ion: 91 Resp: 2074

Ion Ratio Lower Upper

91 100

92 63.8 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VV007778.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV007778.D (-1959) (-)

7.44

1200

1000

800

600

400

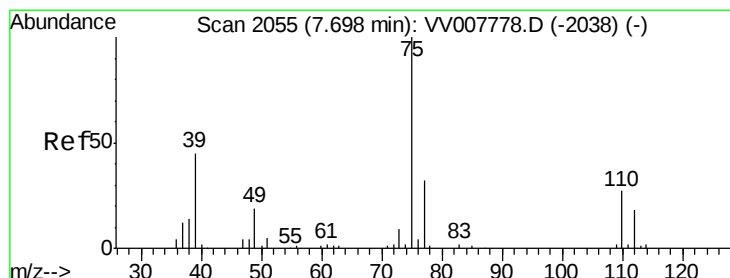
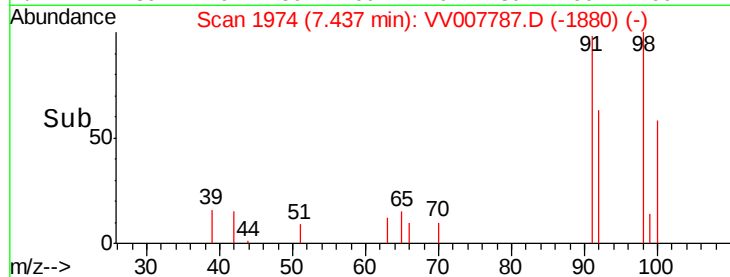
200

0

7.44

7.45

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.707 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.03 min

Lab File: VV007787.D

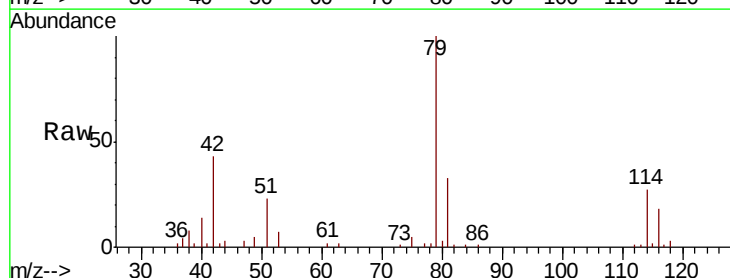
Acq: 23 Sep 2018 14:43

Tgt Ion: 75 Resp: 1150

Ion Ratio Lower Upper

75 100

77 43.9 22.0 40.8#



Abundance Ion 75.00 (74.70 to 75.70): VV007778.D (-2038) (-)

Ion 77.00 (76.70 to 77.70): VV007778.D (-2038) (-)

7.67

800

600

400

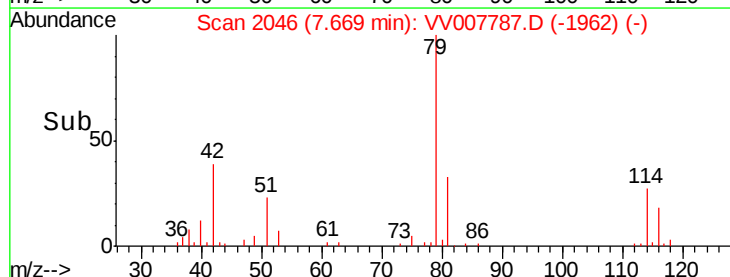
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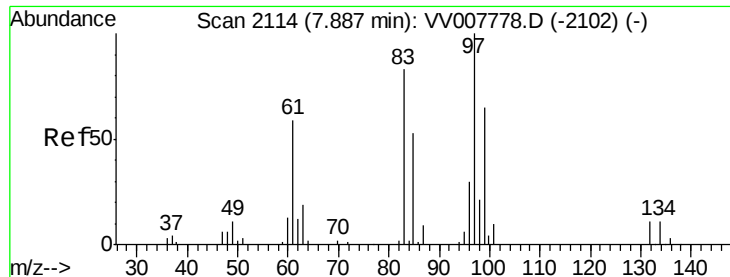
0

7.65

7.70

Time-->

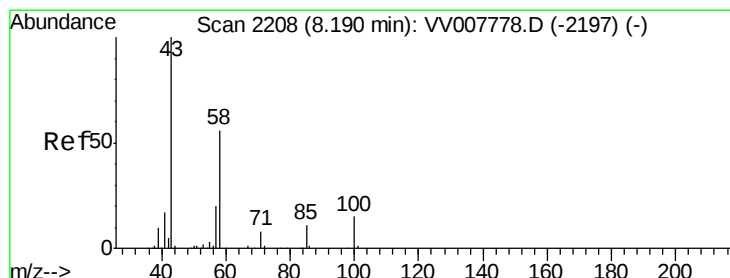
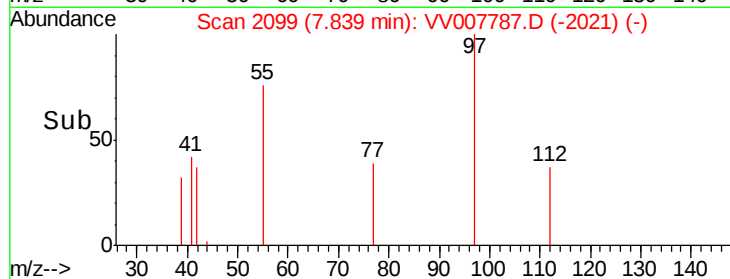
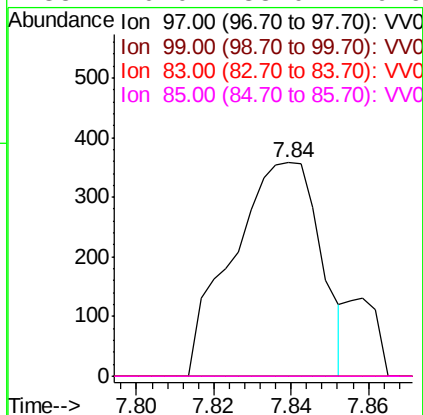
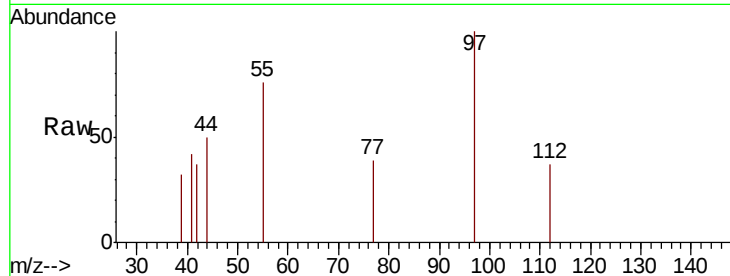




#45
 1,1,2-Trichloroethane
 Concen: 0.471 ug/L
 RT: 7.84 min Scan# 2099
 Delta R.T. -0.05 min
 Lab File: VV007787.D
 Acq: 23 Sep 2018 14:43

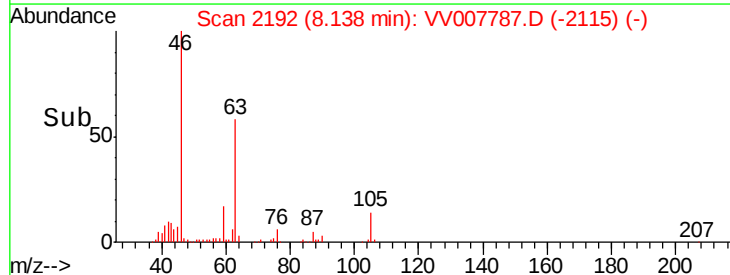
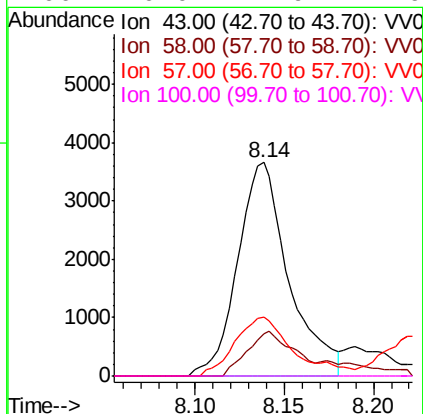
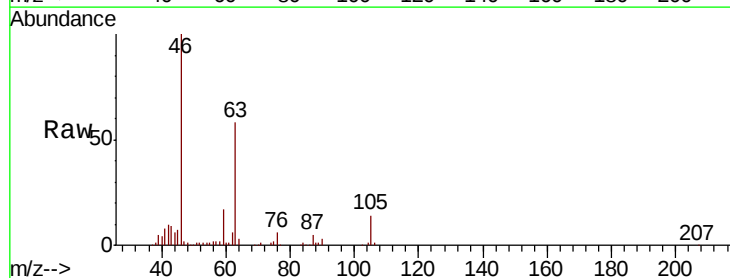
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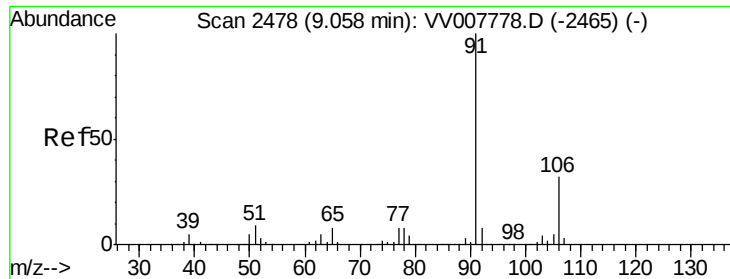
Tgt Ion: 97 Resp: 564
 Ion Ratio Lower Upper
 97 100
 99 0.0 45.8 85.2#
 83 0.0 58.2 108.0#
 85 0.0 38.0 70.6#



#48
 2-Hexanone
 Concen: 6.758 ug/L
 RT: 8.14 min Scan# 2192
 Delta R.T. -0.05 min
 Lab File: VV007787.D
 Acq: 23 Sep 2018 14:43

Tgt Ion: 43 Resp: 7333
 Ion Ratio Lower Upper
 43 100
 58 19.0 41.4 62.0#
 57 28.3 16.0 24.0#
 100 0.0 11.9 17.9#





#52

Ethylbenzene

Concen: 1.803 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. 0.00 min

Lab File: VV007787.D

Acq: 23 Sep 2018 14:43

Instrument :

MSVOA_V

ClientSampled :

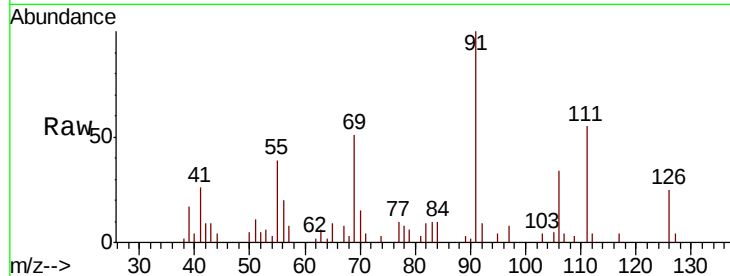
E8JB2

Tgt Ion: 91 Resp: 10224

Ion Ratio Lower Upper

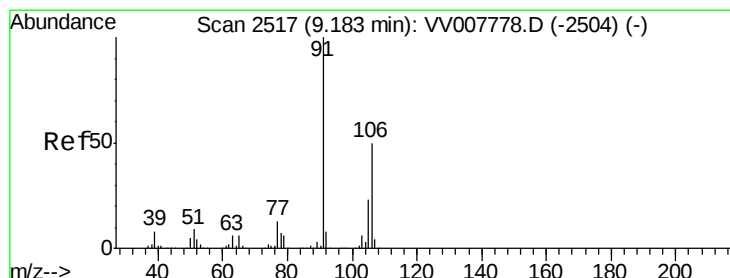
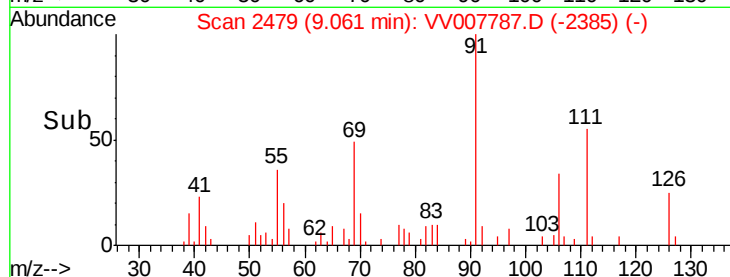
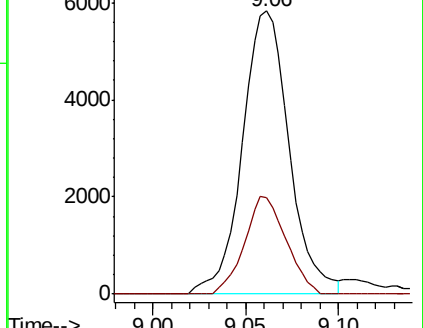
91 100

106 34.1 22.7 42.1



Abundance Ion 91.00 (90.70 to 91.70): VV007778.D (-2465) (-)

Ion 106.00 (105.70 to 106.70): VV007778.D (-2465) (-)



#53

m,p-Xylene

Concen: 5.967 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007787.D

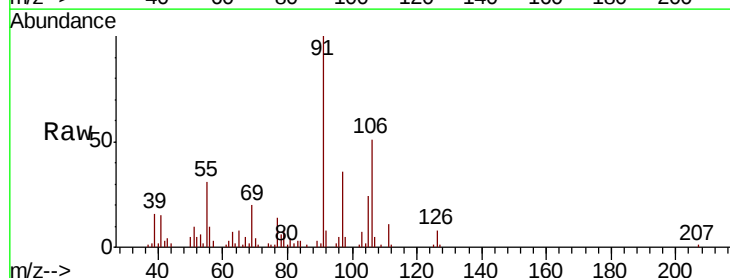
Acq: 23 Sep 2018 14:43

Tgt Ion: 106 Resp: 13540

Ion Ratio Lower Upper

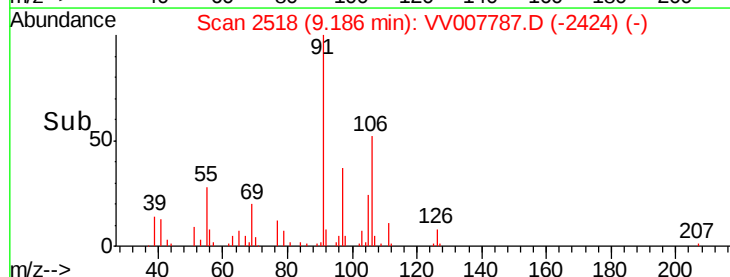
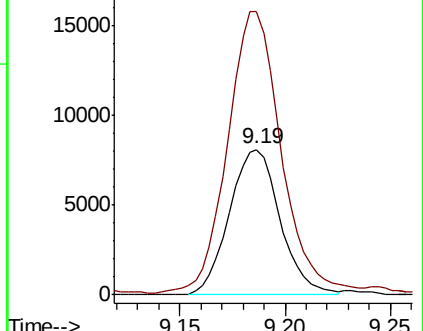
106 100

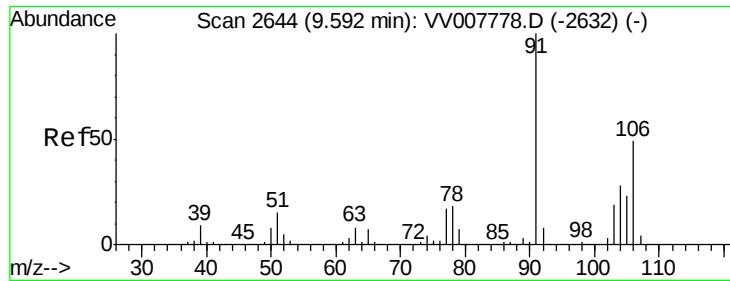
91 194.5 137.3 254.9



Abundance Ion 106.00 (105.70 to 106.70): VV007778.D (-2504) (-)

Ion 91.00 (90.70 to 91.70): VV007778.D (-2504) (-)





#54

o-xylene

Concen: 5.151 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV007787.D

Acq: 23 Sep 2018 14:43

Instrument :

MSVOA_V

ClientSampleId :

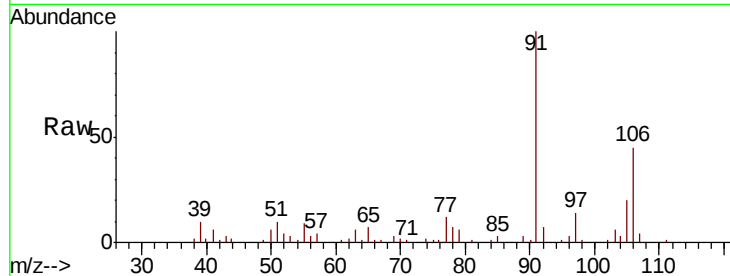
E8JB2

Tgt Ion:106 Resp: 11401

Ion Ratio Lower Upper

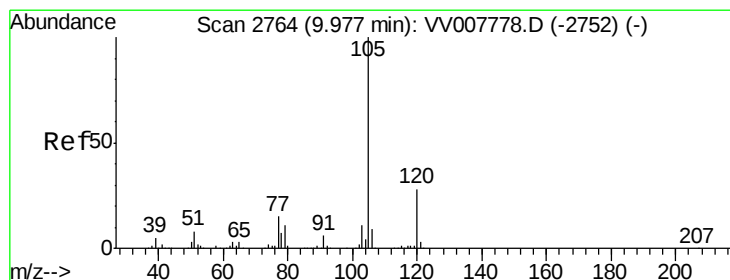
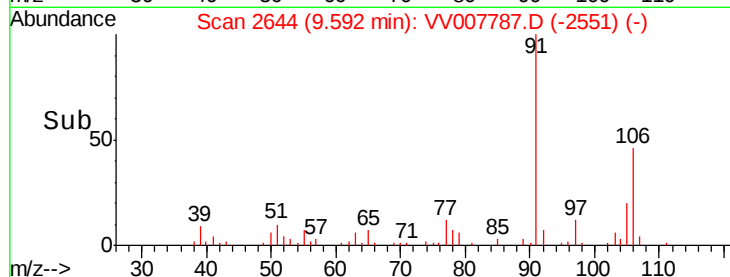
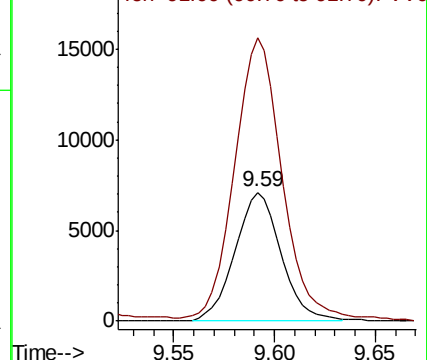
106 100

91 220.0 145.5 270.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Isopropylbenzene

Concen: 1.187 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007787.D

Acq: 23 Sep 2018 14:43

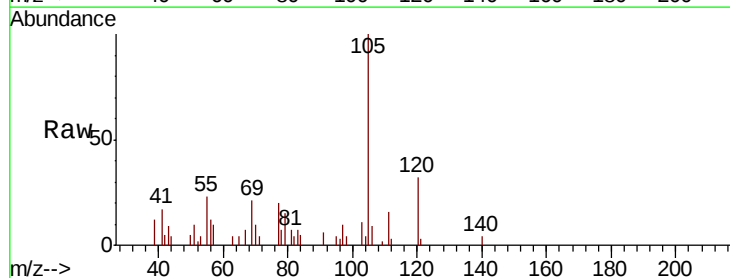
Tgt Ion:105 Resp: 7083

Ion Ratio Lower Upper

105 100

120 28.2 22.0 33.0

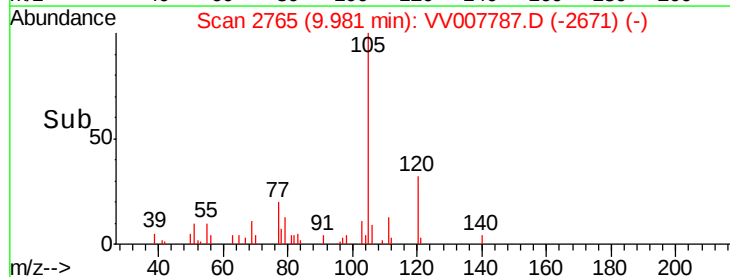
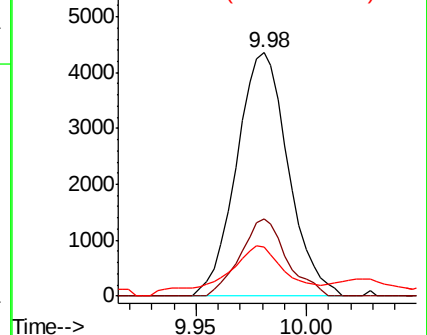
77 17.4 12.1 18.1

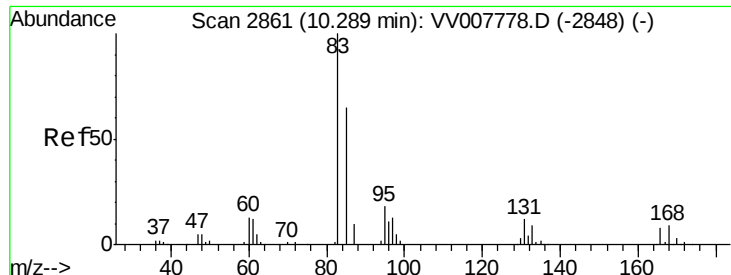


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 3.161 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV007787.D

Acq: 23 Sep 2018 14:43

Instrument :

MSVOA_V

ClientSampled :

E8JB2

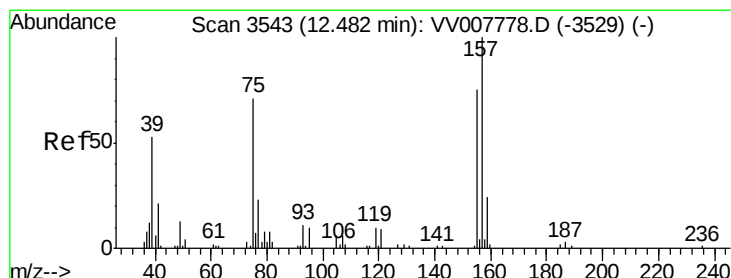
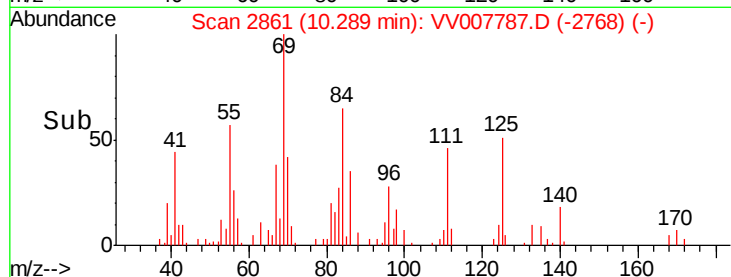
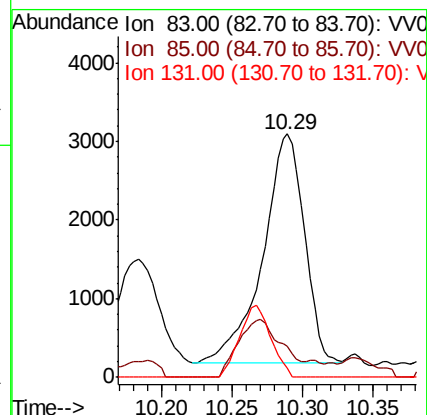
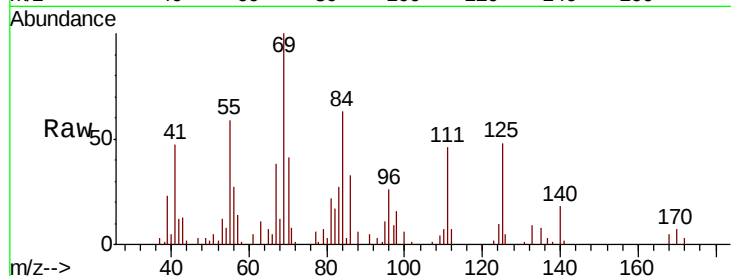
Tgt Ion: 83 Resp: 6021

Ion Ratio Lower Upper

83 100

85 12.5 45.4 84.4#

131 3.9 9.8 14.8#



#66

1,2-Dibromo-3-chloropropane

Concen: 3.639 ug/L

RT: 12.46 min Scan# 3537

Delta R.T. -0.02 min

Lab File: VV007787.D

Acq: 23 Sep 2018 14:43

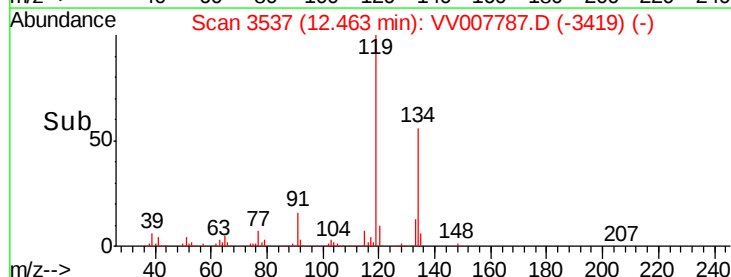
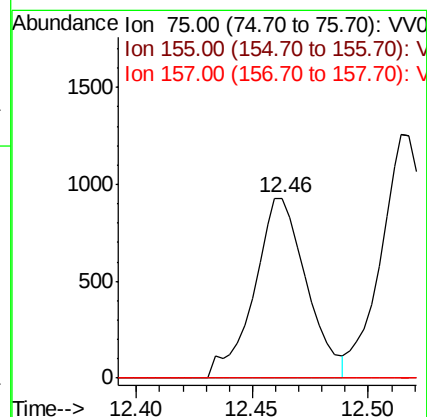
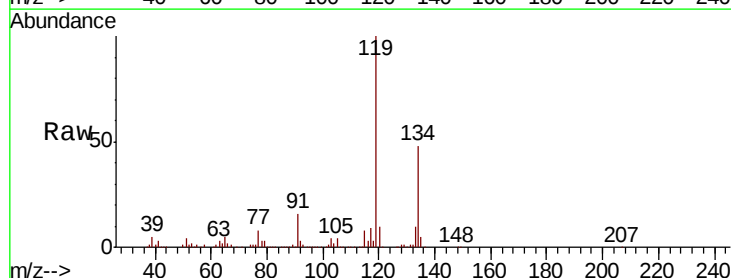
Tgt Ion: 75 Resp: 1459

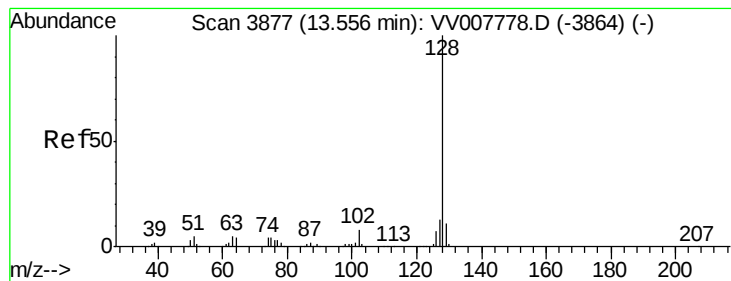
Ion Ratio Lower Upper

75 100

155 0.0 86.0 129.0#

157 0.0 111.5 167.3#





#69
Naphthalene
Concen: 3.198 ug/L
RT: 13.56 min Scan# 3877
Delta R.T. 0.00 min
Lab File: VV007787.D
Acq: 23 Sep 2018 14:43

Instrument :
MSVOA_V
ClientSampleId :
E8JB2

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.6	15.8
129	17.2	8.6	13.0

