

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011720\
 Data File : VV014332.D
 Acq On : 17 Jan 2020 12:49
 Operator : SY/MD
 Sample : L1169-01
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF758

Quant Time: Jan 17 23:33:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 17 22:51:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	838646	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	748874	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	358755	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	245419	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	1.59	69	206844	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.13	63	306876	3.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.00%
20) 2-Butanone-d5	3.93	46	685331	48.62	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.24%
24) Chloroform-d	4.40	84	470542	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
26) 1,2-Dichloroethane-d4	5.08	65	261688	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.10	84	1112627	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.12	67	353692	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.36	98	987031	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloropropene-	7.66	79	137036	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
46) 2-Hexanone-d5	8.13	63	614589	47.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.72%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	241648	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	321636	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.33	62	287073	4.891	ug/L	97
8) Chloroethane	1.60	64	4112	0.125	ug/L	89
12) 1,1-Dichloroethene	2.14	96	14650	0.391	ug/L #	1
13) Acetone	2.19	43	16850	1.736	ug/L	90
14) Carbon disulfide	2.32	76	10771	0.065	ug/L #	77
17) Methyl tert-butyl Ether	2.81	73	150791	1.087	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	556712	9.885	ug/L	95
19) 1,1-Dichloroethane	3.23	63	395314	3.581	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	3733679	60.475	ug/L #	96
25) Chloroform	4.42	83	62109	0.588	ug/L	100
33) Benzene	5.15	78	324378	1.406	ug/L	100
34) Trichloroethene	5.97	95	6325	0.107	ug/L	88
42) Toluene	7.43	91	34432	0.141	ug/L	93
51) Chlorobenzene	8.92	112	489005	3.266	ug/L	97
53) m,p-xylene	9.18	106	10529	0.105	ug/L	97
62) 1,3-Dichlorobenzene	11.22	146	839966	7.489	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	4238776	38.007	ug/L	99

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QLast Update : Fri Jan 17 22:51:36 2020
Response via : Initial Calibration

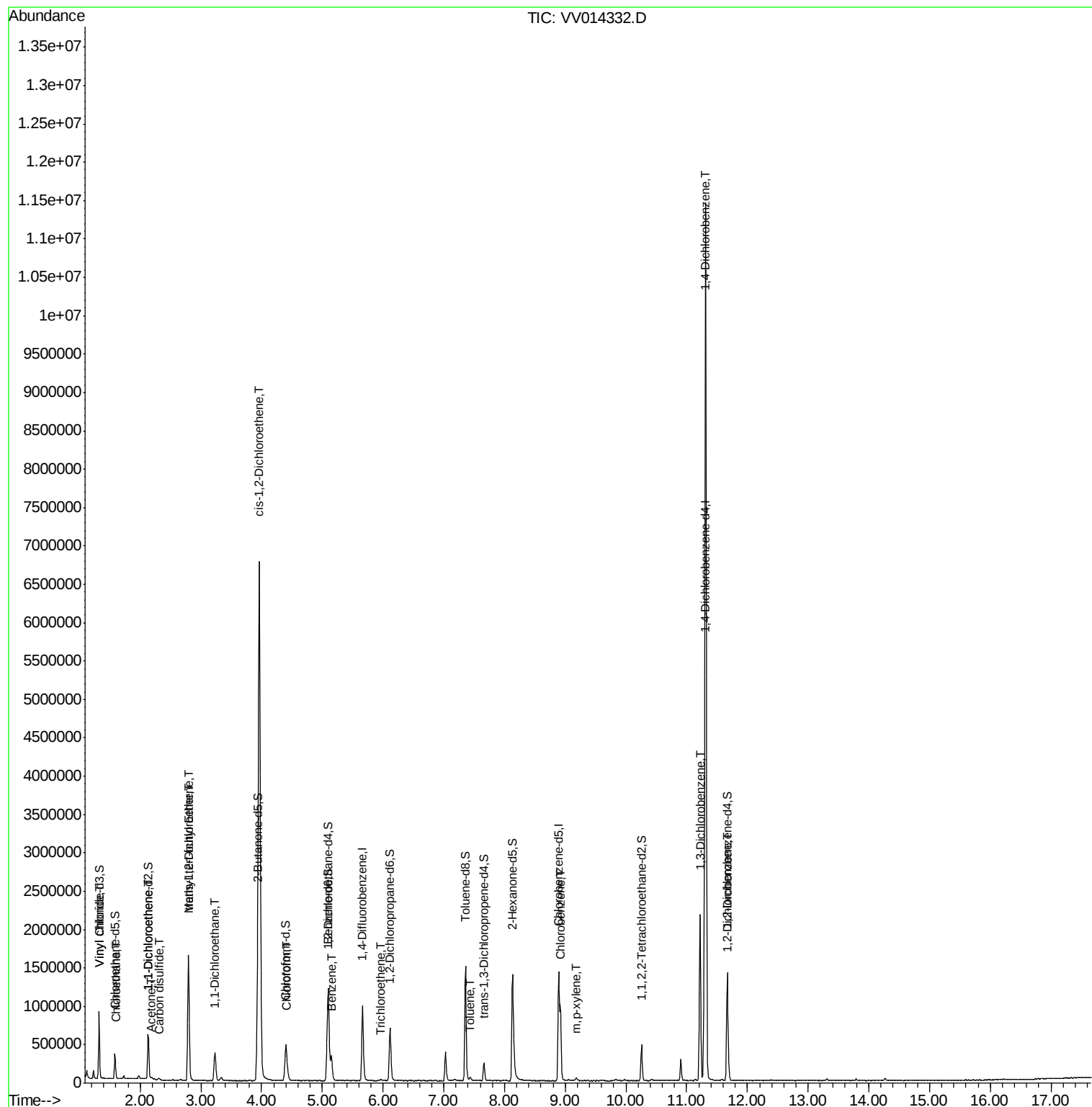
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,2-Dichlorobenzene	11.68	146	120114	1.186	ug/L	97

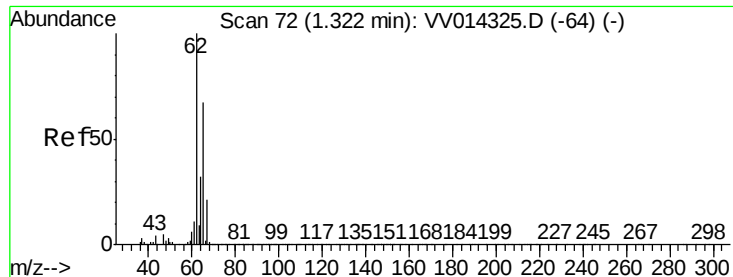
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV011720\
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 4.891 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.01 min

Lab File: VV014332.D

Acq: 17 Jan 2020 12:49

Instrument :

MSVOA_V

ClientSampleId :

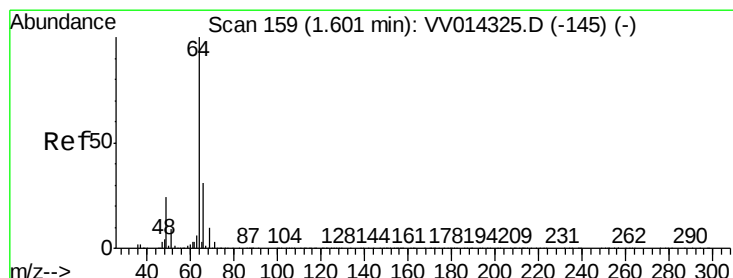
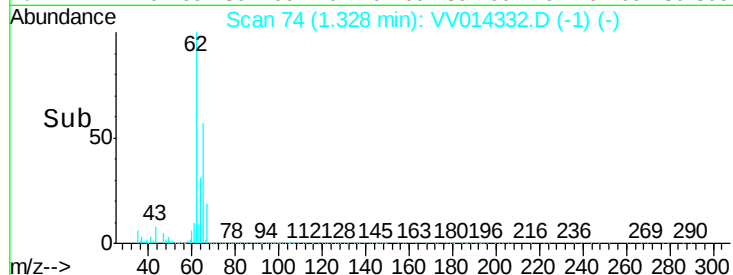
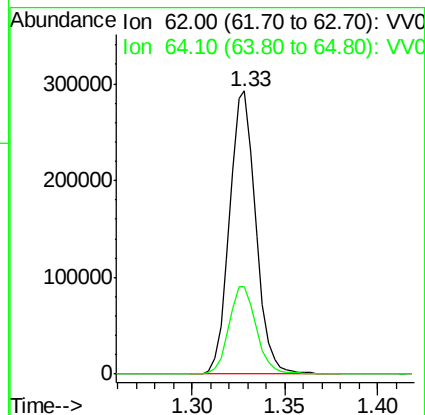
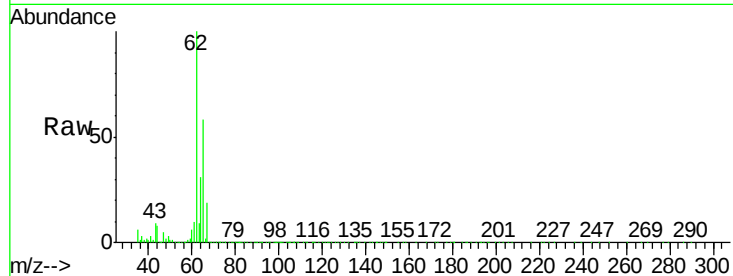
BF758

Tot Ion: 62 Resp: 287073

Ion Ratio Lower Upper

62 100

64 31.1 23.0 42.6



#8

Chloroethane

Concen: 0.125 ug/L

RT: 1.60 min Scan# 160

Delta R.T. 0.00 min

Lab File: VV014332.D

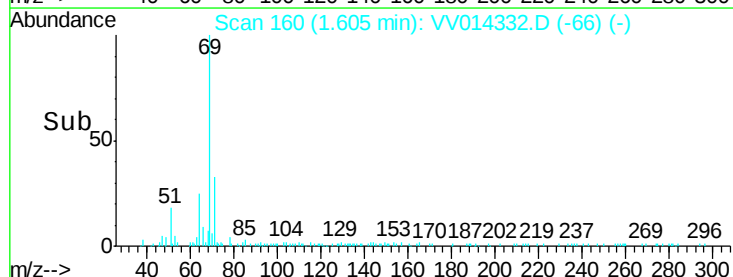
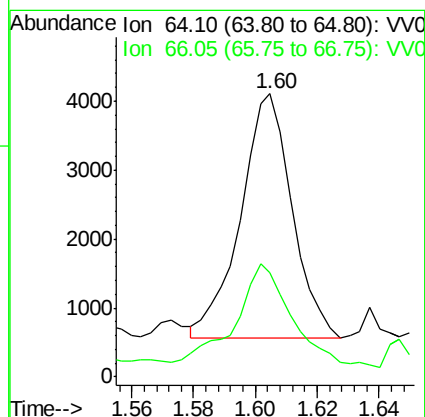
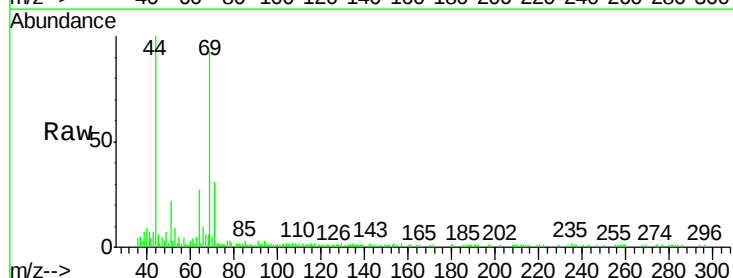
Acq: 17 Jan 2020 12:49

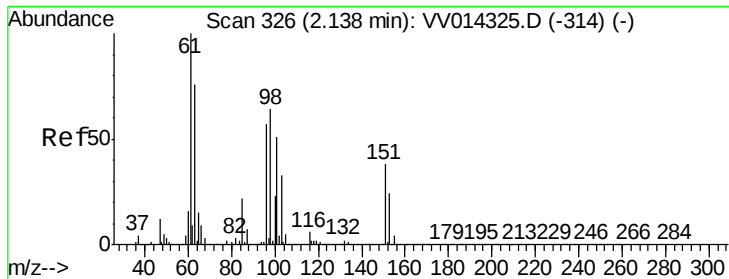
Tgt Ion: 64 Resp: 4112

Ion Ratio Lower Upper

64 100

66 37.0 21.8 40.6





#12

1,1-Dichloroethene

Concen: 0.391 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.01 min

Lab File: VV014332.D

Acq: 17 Jan 2020 12:49

Instrument :

MSVOA_V

ClientSampleId :

BF758

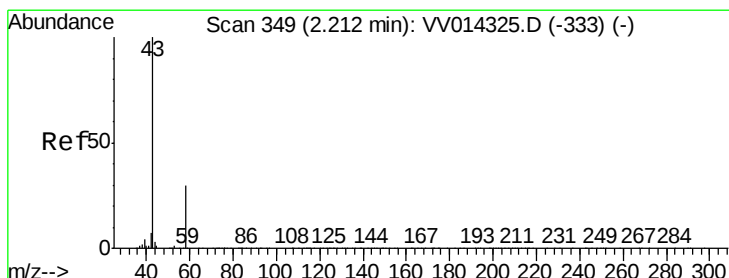
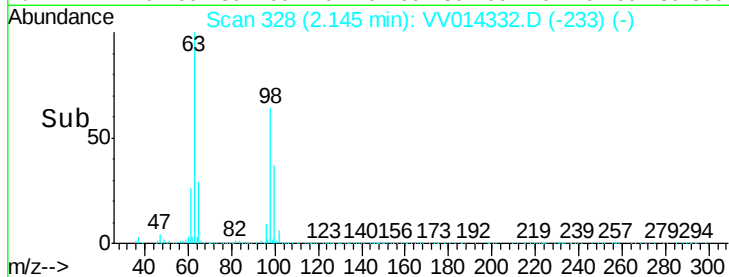
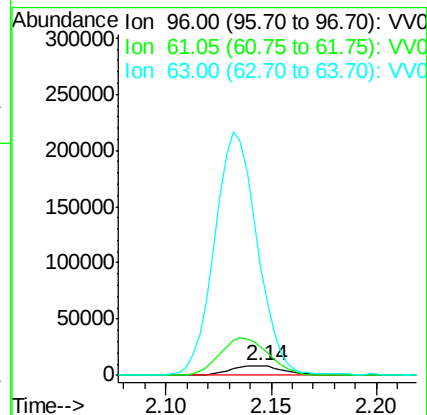
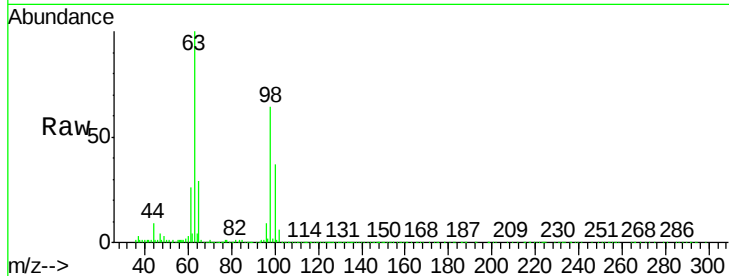
Tot Ion: 96 Resp: 14650

Ion Ratio Lower Upper

96 100

61 298.9 121.5 225.7#

63 1133.9 90.3 167.7#



#13

Acetone

Concen: 1.736 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.03 min

Lab File: VV014332.D

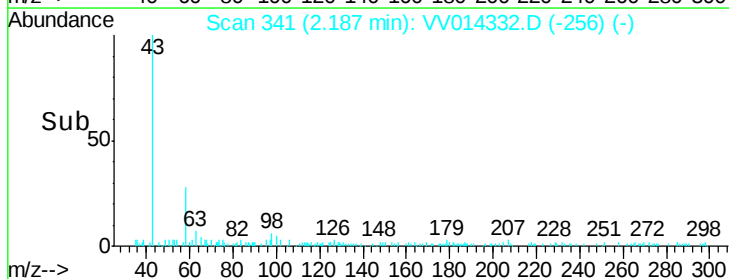
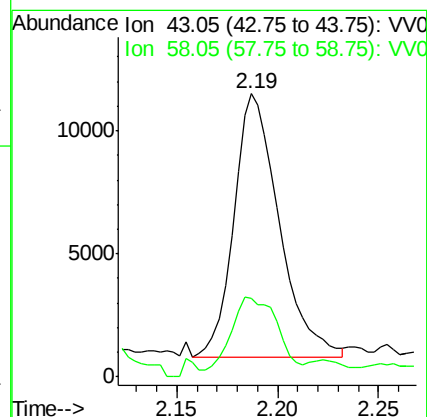
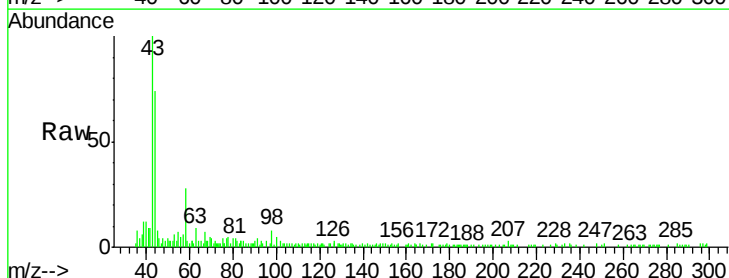
Acq: 17 Jan 2020 12:49

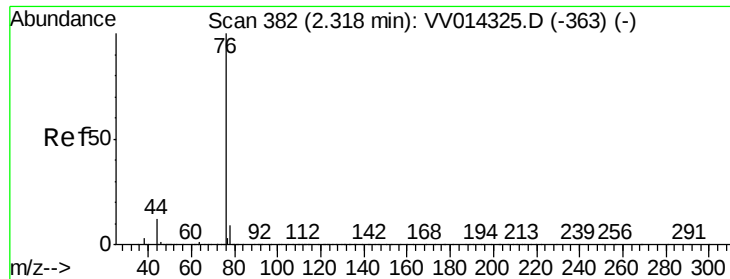
Tgt Ion: 43 Resp: 16850

Ion Ratio Lower Upper

43 100

58 27.5 0.0 66.0





#14

Carbon disulfide

Concen: 0.065 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV014332.D

Acq: 17 Jan 2020 12:49

Instrument :

MSVOA_V

ClientSampleId :

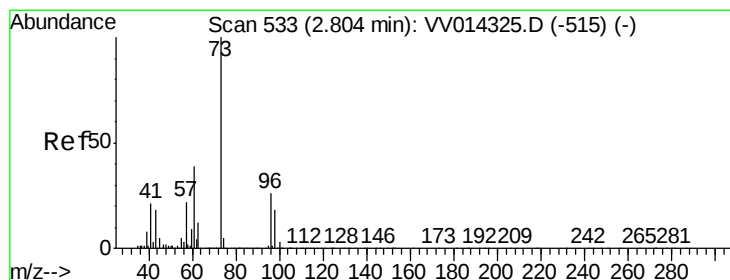
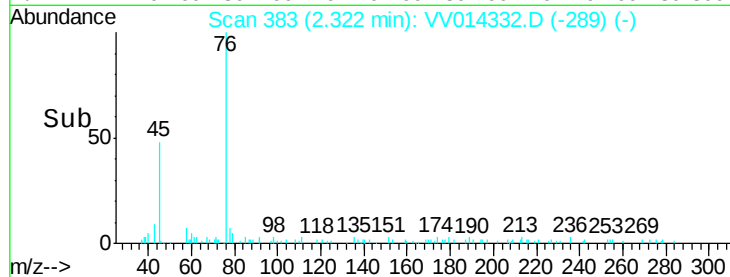
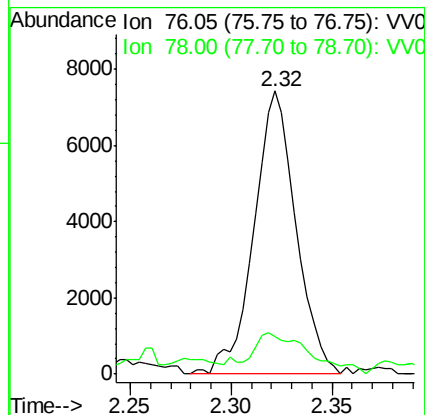
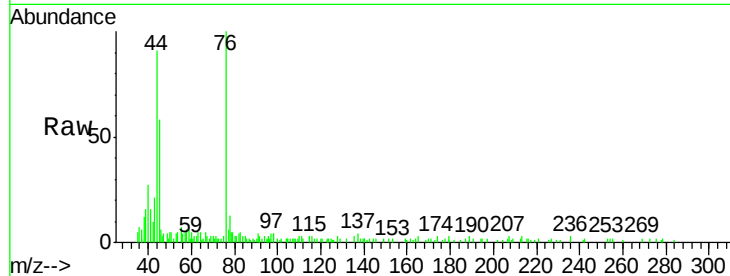
BF758

Tot Ion: 76 Resp: 10771

Ion Ratio Lower Upper

76 100

78 17.8 7.5 11.3#



#17

Methyl tert-butyl Ether

Concen: 1.087 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV014332.D

Acq: 17 Jan 2020 12:49

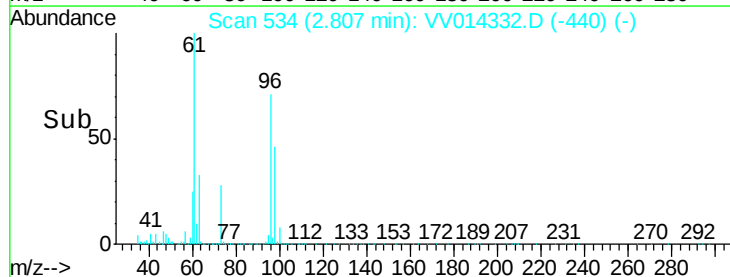
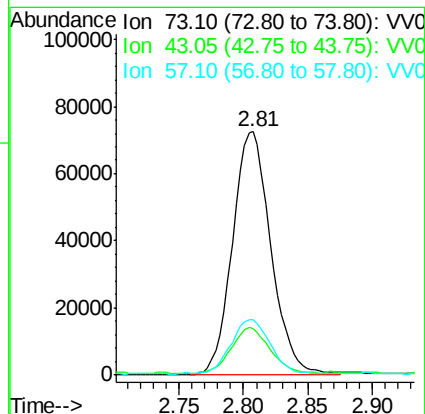
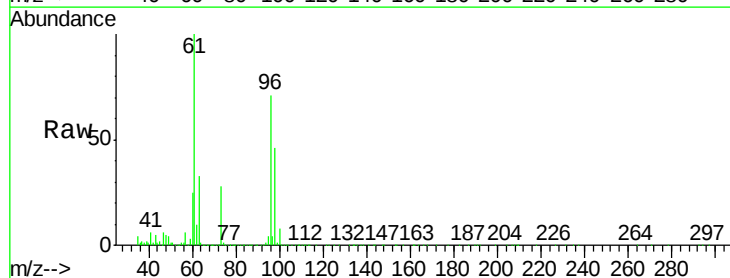
Tgt Ion: 73 Resp: 150791

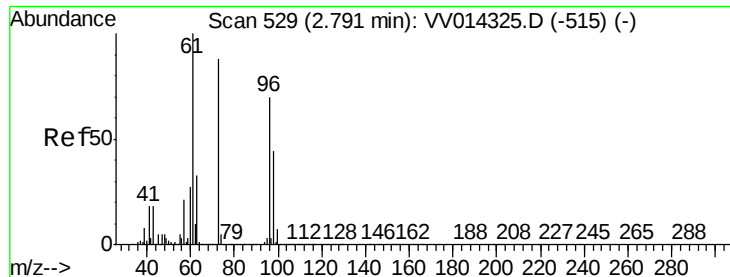
Ion Ratio Lower Upper

73 100

43 18.7 14.7 22.1

57 22.9 17.9 26.9





#18

trans-1,2-Dichloroethene

Concen: 9.885 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV014332.D

Acq: 17 Jan 2020 12:49

Instrument :

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ClientSampleId :

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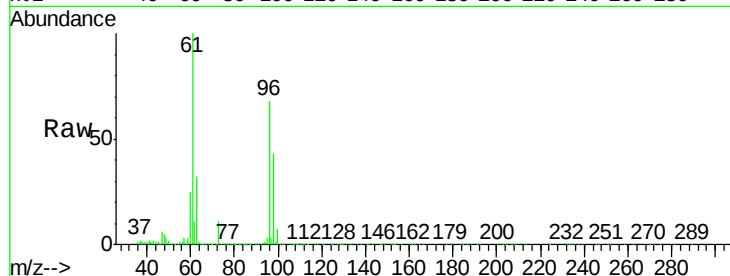
Tot Ion: 96 Resp: 556712

Ion Ratio Lower Upper

96 100

61 148.1 99.2 184.2

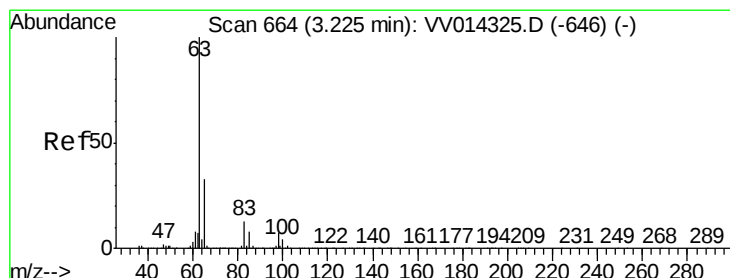
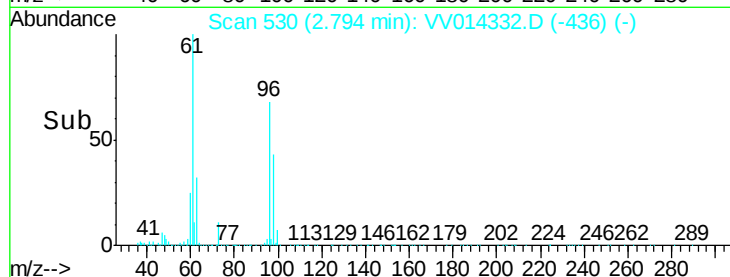
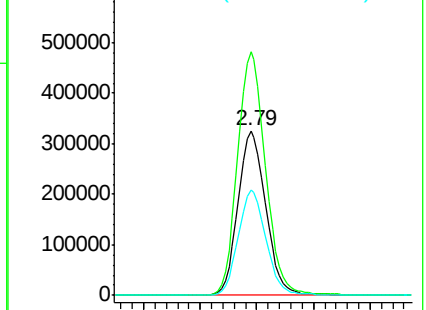
98 64.1 43.1 80.1



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#19

1,1-Dichloroethane

Concen: 3.581 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.01 min

Lab File: VV014332.D

Acq: 17 Jan 2020 12:49

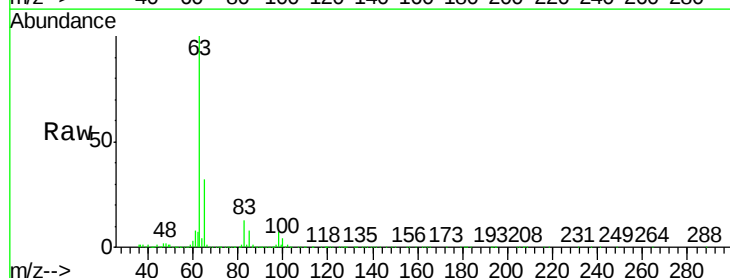
Tgt Ion: 63 Resp: 395314

Ion Ratio Lower Upper

63 100

65 31.9 22.7 42.3

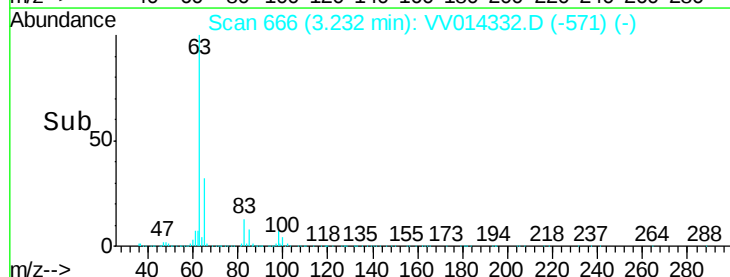
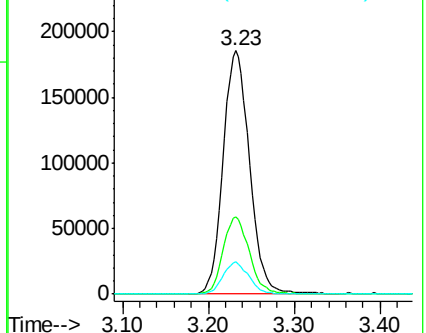
83 13.1 10.0 18.6

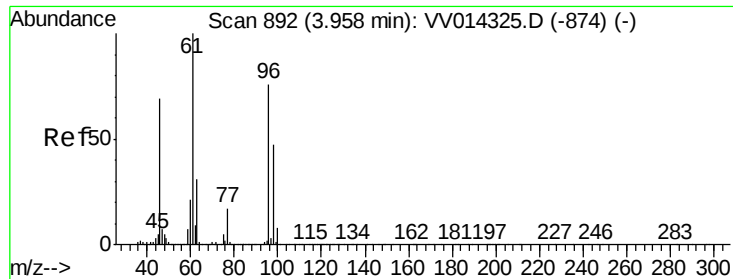


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0





#22

cis-1,2-Dichloroethene

Concen: 60.475 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV014332.D

Acq: 17 Jan 2020 12:49

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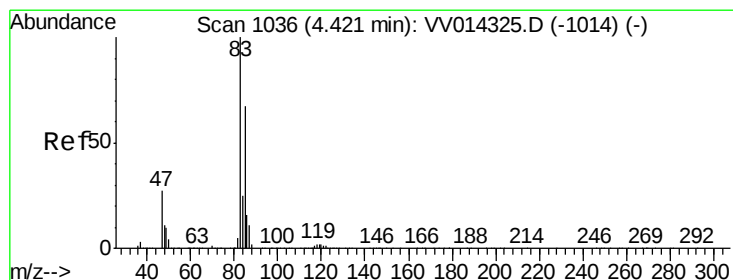
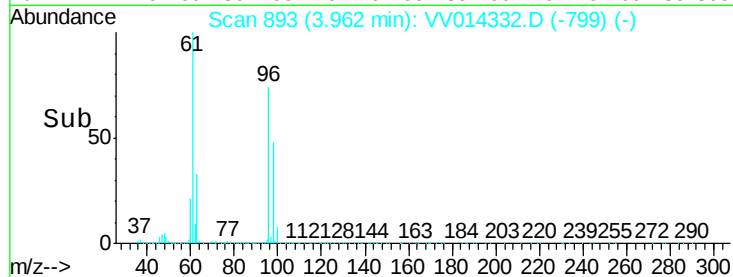
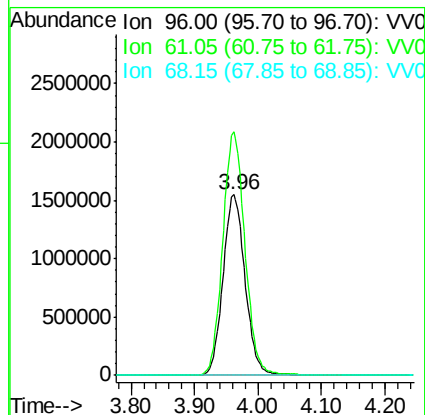
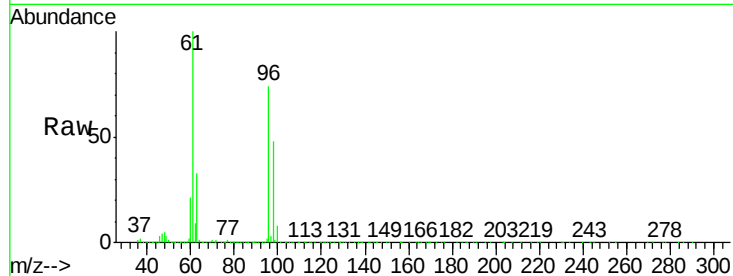
Tot Ion: 96 Resp: 3733679

Ion Ratio Lower Upper

96 100

61 134.6 90.6 168.3

68 0.0 0.3 0.7#



#25

Chloroform

Concen: 0.588 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV014332.D

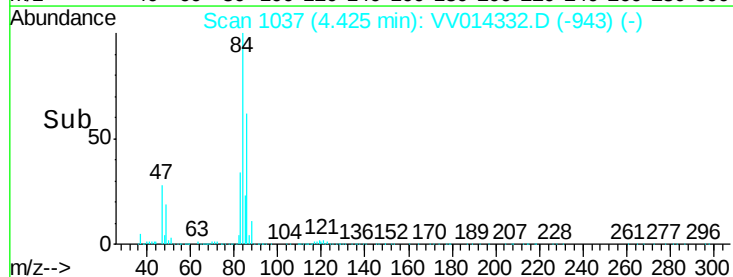
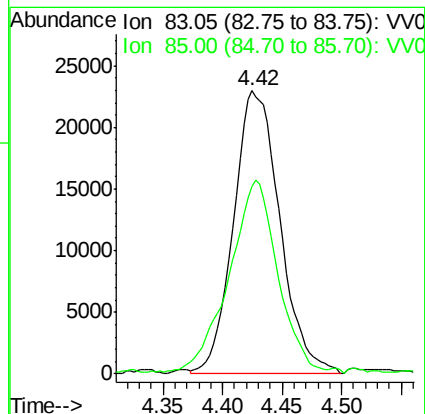
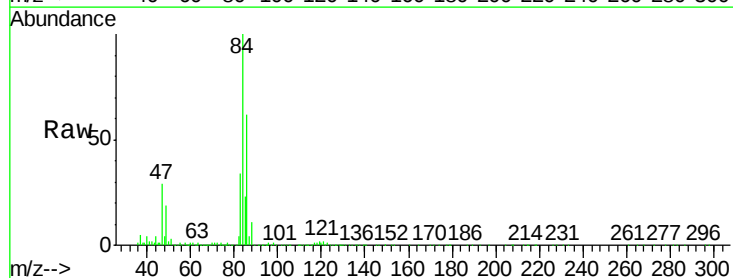
Acq: 17 Jan 2020 12:49

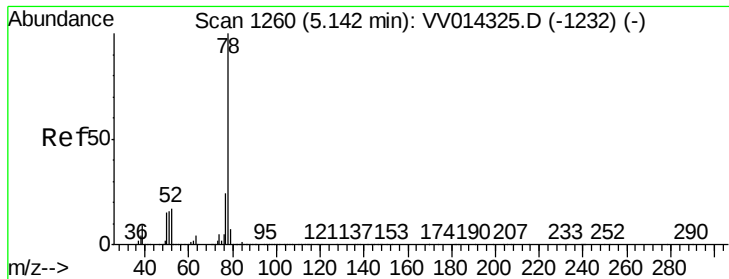
Tgt Ion: 83 Resp: 62109

Ion Ratio Lower Upper

83 100

85 66.2 46.2 85.8





#33

Benzene

Concen: 1.406 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VV014332.D

Acq: 17 Jan 2020 12:49

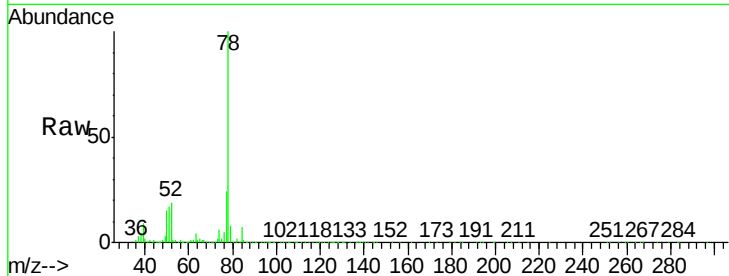
Instrument :

MSVOA_V

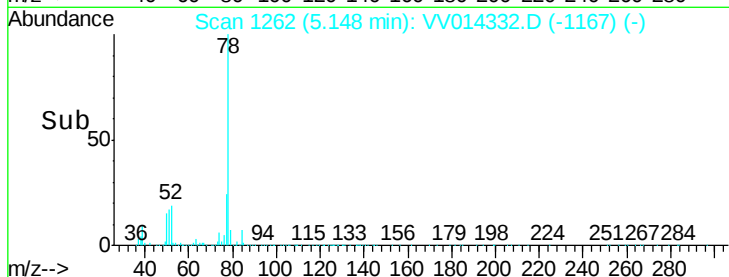
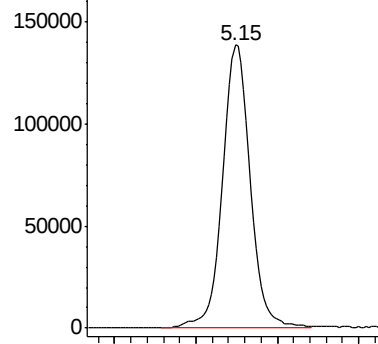
ClientSampleId :

BF758

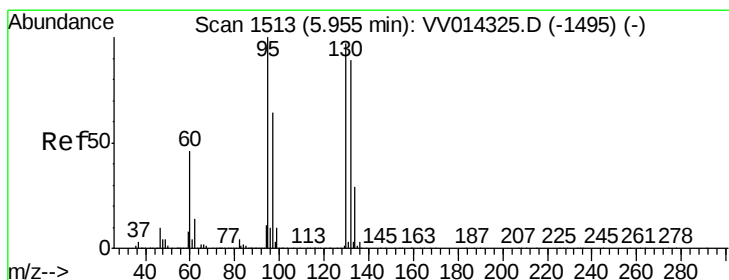
Tgt Ion: 78 Resp: 324378



Abundance Ion 78.10 (77.80 to 78.80): VV0



Time-->



#34

Trichloroethene

Concen: 0.107 ug/L

RT: 5.97 min Scan# 1517

Delta R.T. 0.01 min

Lab File: VV014332.D

Acq: 17 Jan 2020 12:49

Tgt Ion: 95 Resp: 6325

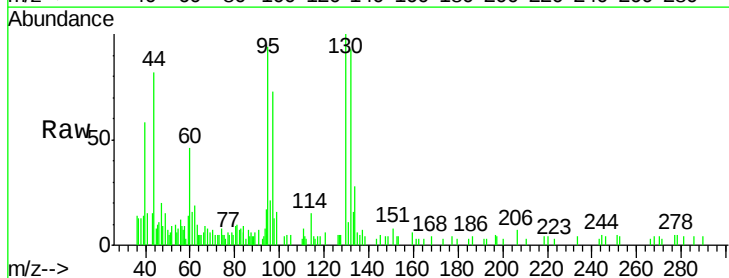
Ion	Ratio	Lower	Upper
95	100		
97	76.9	43.8	81.3
132	98.1	63.4	117.8
130	106.0	65.7	122.1

95 100

97 76.9 43.8 81.3

132 98.1 63.4 117.8

130 106.0 65.7 122.1

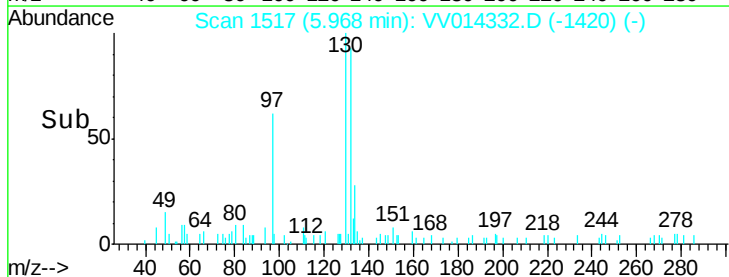
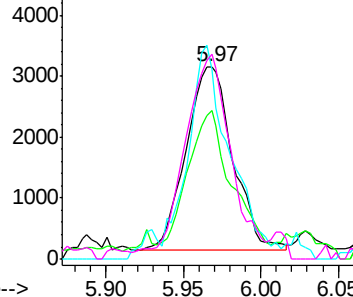


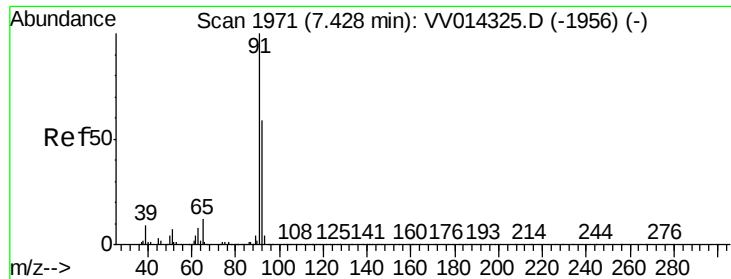
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0





#42

Toluene

Concen: 0.141 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV014332.D

Acq: 17 Jan 2020 12:49

Instrument :

MSVOA_V

ClientSampleId :

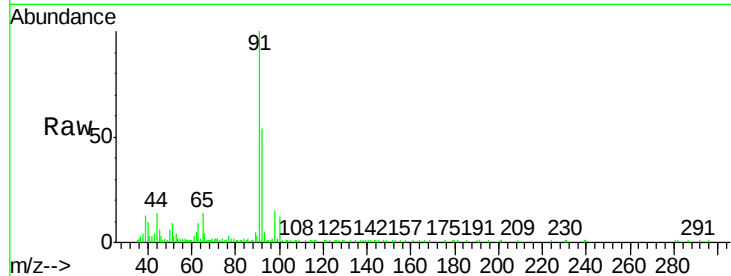
BF758

Tot Ion: 91 Resp: 34432

Ion Ratio Lower Upper

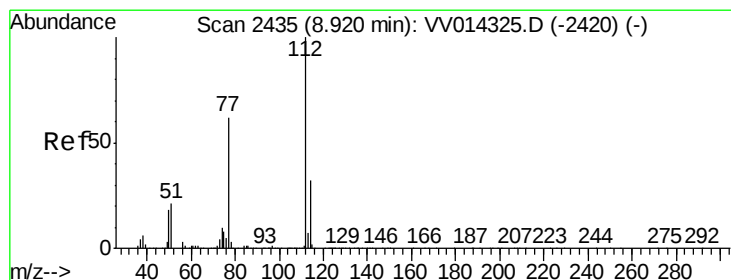
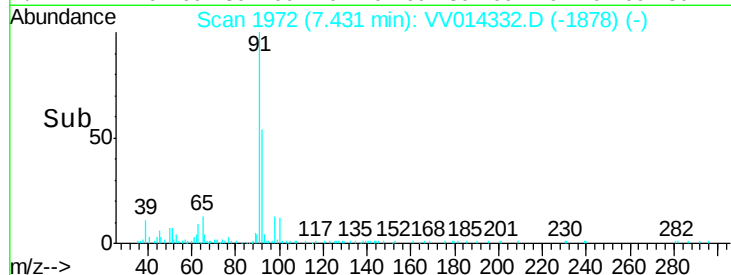
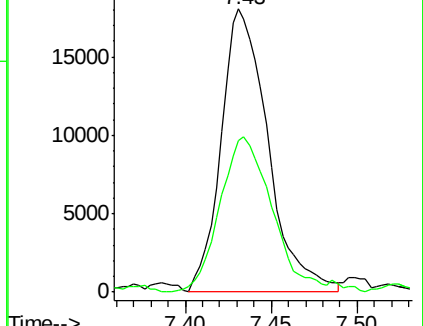
91 100

92 53.6 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV014332.D (-1956) (-)

Ion 92.15 (91.85 to 92.85): VV014332.D (-1956) (-)



#51

Chlorobenzene

Concen: 3.266 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV014332.D

Acq: 17 Jan 2020 12:49

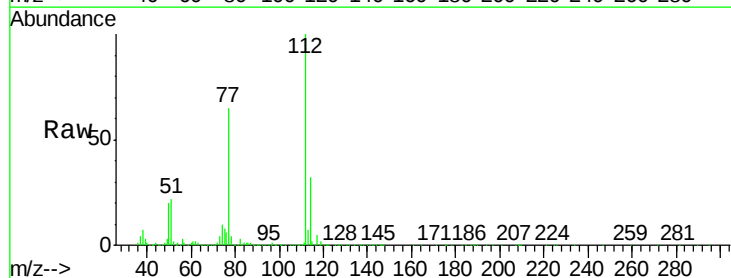
Tgt Ion: 112 Resp: 489005

Ion Ratio Lower Upper

112 100

114 32.1 22.5 41.7

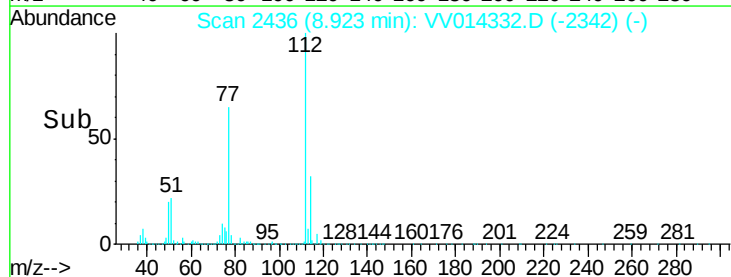
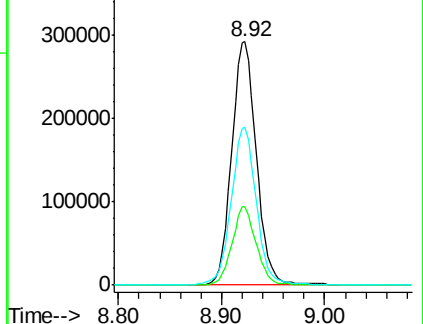
77 64.9 49.3 73.9

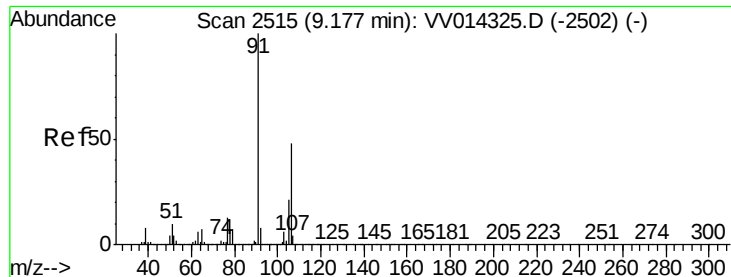


Abundance Ion 112.10 (111.80 to 112.80): VV014332.D (-2420) (-)

Ion 114.05 (113.75 to 114.75): VV014332.D (-2420) (-)

Ion 77.10 (76.80 to 77.80): VV014332.D (-2420) (-)





#53

m,p-xylene

Concen: 0.105 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV014332.D

Acq: 17 Jan 2020 12:49

Instrument :

MSVOA_V

ClientSampled :

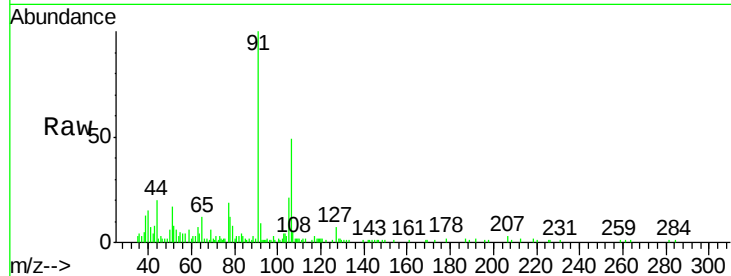
BF758

Tot Ion:106 Resp: 10529

Ion Ratio Lower Upper

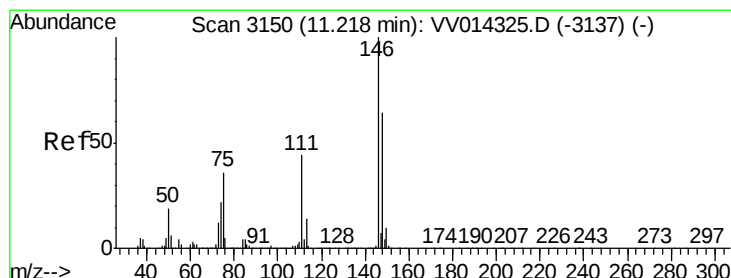
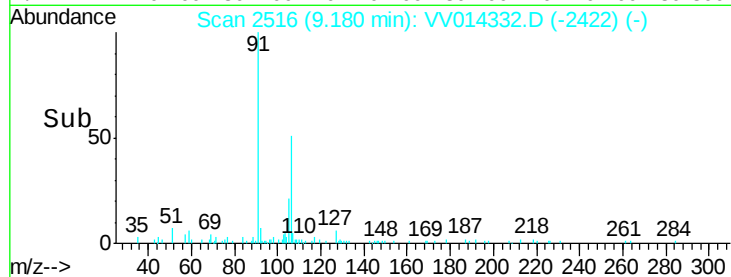
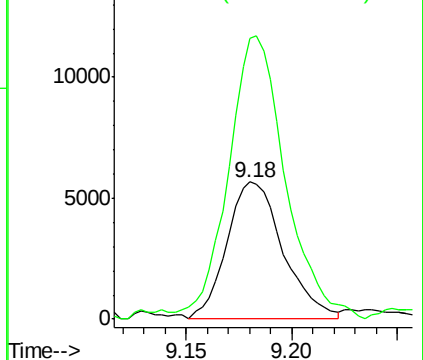
106 100

91 204.8 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#62

1,3-Dichlorobenzene

Concen: 7.489 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV014332.D

Acq: 17 Jan 2020 12:49

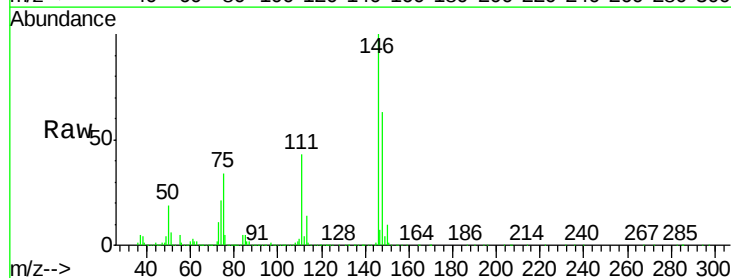
Tgt Ion:146 Resp: 839966

Ion Ratio Lower Upper

146 100

111 43.2 30.7 57.1

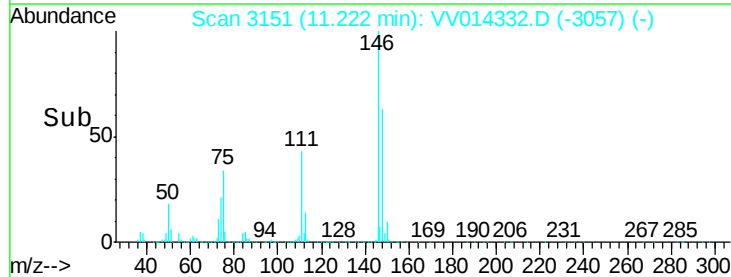
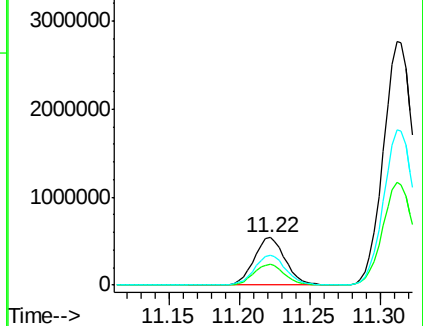
148 62.9 44.4 82.5

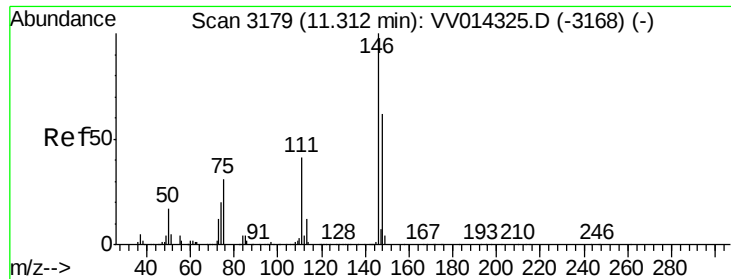


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 38.007 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014332.D

Acq: 17 Jan 2020 12:49

Instrument :

MSVOA_V

ClientSampleId :

BF758

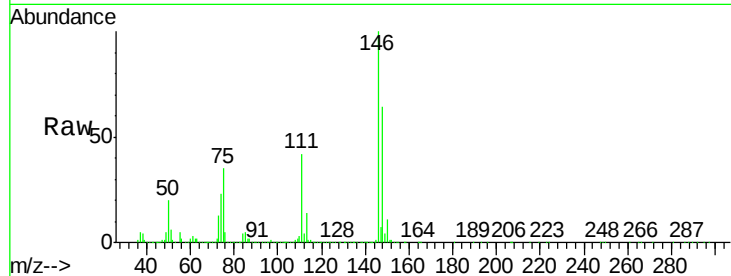
Tot Ion:146 Resp: 4238776

Ion Ratio Lower Upper

146 100

111 42.3 28.8 53.4

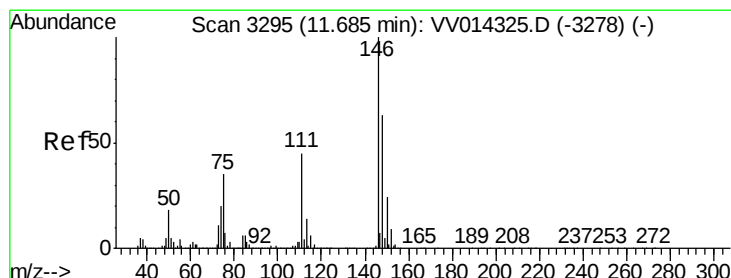
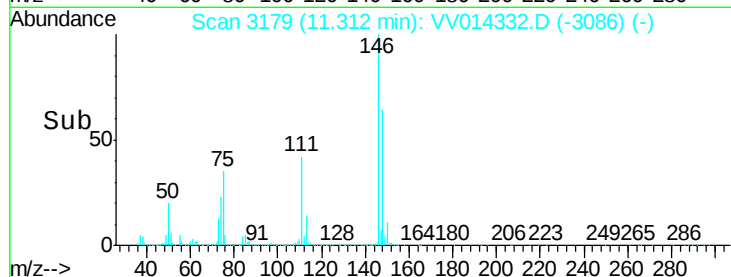
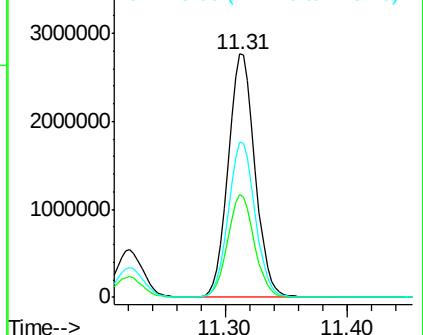
148 63.7 44.5 82.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 1.186 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV014332.D

Acq: 17 Jan 2020 12:49

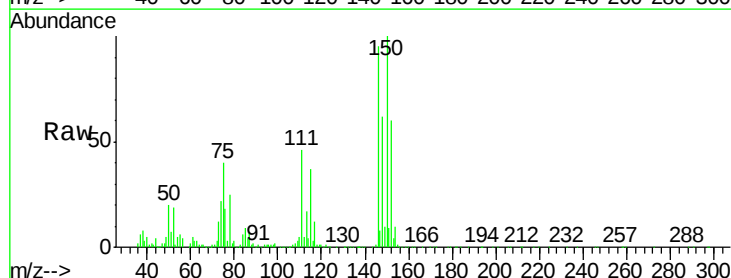
Tgt Ion:146 Resp: 120114

Ion Ratio Lower Upper

146 100

111 48.4 36.4 54.6

148 65.5 51.3 76.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

