

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011720\
 Data File : VV014335.D
 Acq On : 17 Jan 2020 14:01
 Operator : SY/MD
 Sample : L1169-05
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF764

Manual Integrations
 APPROVED

MMDadoda
 1/20/2020 12:20:16 PM

Quant Time: Jan 17 23:45:28 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	818614	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	750672	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	342801	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	244878	4.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.60%
7) Chloroethane-d5	1.59	69	191577	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.60%
11) 1,1-Dichloroethene-d2	2.13	63	317131	3.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.00%
20) 2-Butanone-d5	3.93	46	673644	48.96	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.92%
24) Chloroform-d	4.40	84	489247	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	5.08	65	245788	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
32) Benzene-d6	5.10	84	1040346	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.12	67	333430	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.36	98	925333	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	7.66	79	128949	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.13	63	623875	47.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.92%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	229509	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	306849	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.33	62	4275068	74.618	ug/L	100
8) Chloroethane	1.60	64	310537	9.646	ug/L	97
12) 1,1-Dichloroethene	2.14	96	84305	2.305	ug/L #	68
13) Acetone	2.19	43	19251m	2.032	ug/L	
18) trans-1,2-Dichloroethene	2.79	96	2255586	41.028	ug/L	95
19) 1,1-Dichloroethane	3.23	63	2163042	20.074	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	10183103	168.973	ug/L #	97
25) Chloroform	4.42	83	22811	0.221	ug/L	87
27) 1,2-Dichloroethane	5.18	62	314208	5.091	ug/L	95
30) Cyclohexane	4.73	56	10319	0.105	ug/L #	87
33) Benzene	5.14	78	4617724	19.974	ug/L	100
34) Trichloroethene	5.96	95	1662406	27.982	ug/L	99
42) Toluene	7.43	91	98517	0.404	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	19152	0.514	ug/L	97
47) Tetrachloroethene	8.02	164	9707	0.239	ug/L	89
51) Chlorobenzene	8.92	112	5426561	36.158	ug/L	98
52) Ethylbenzene	9.05	91	33229	0.122	ug/L	97

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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)
53) m,p-xylene	9.18	106	13628	0.135	ug/L	89
54) o-xylene	9.59	106	15338	0.155	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.28	83	39762	0.865	ug/L #	97

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

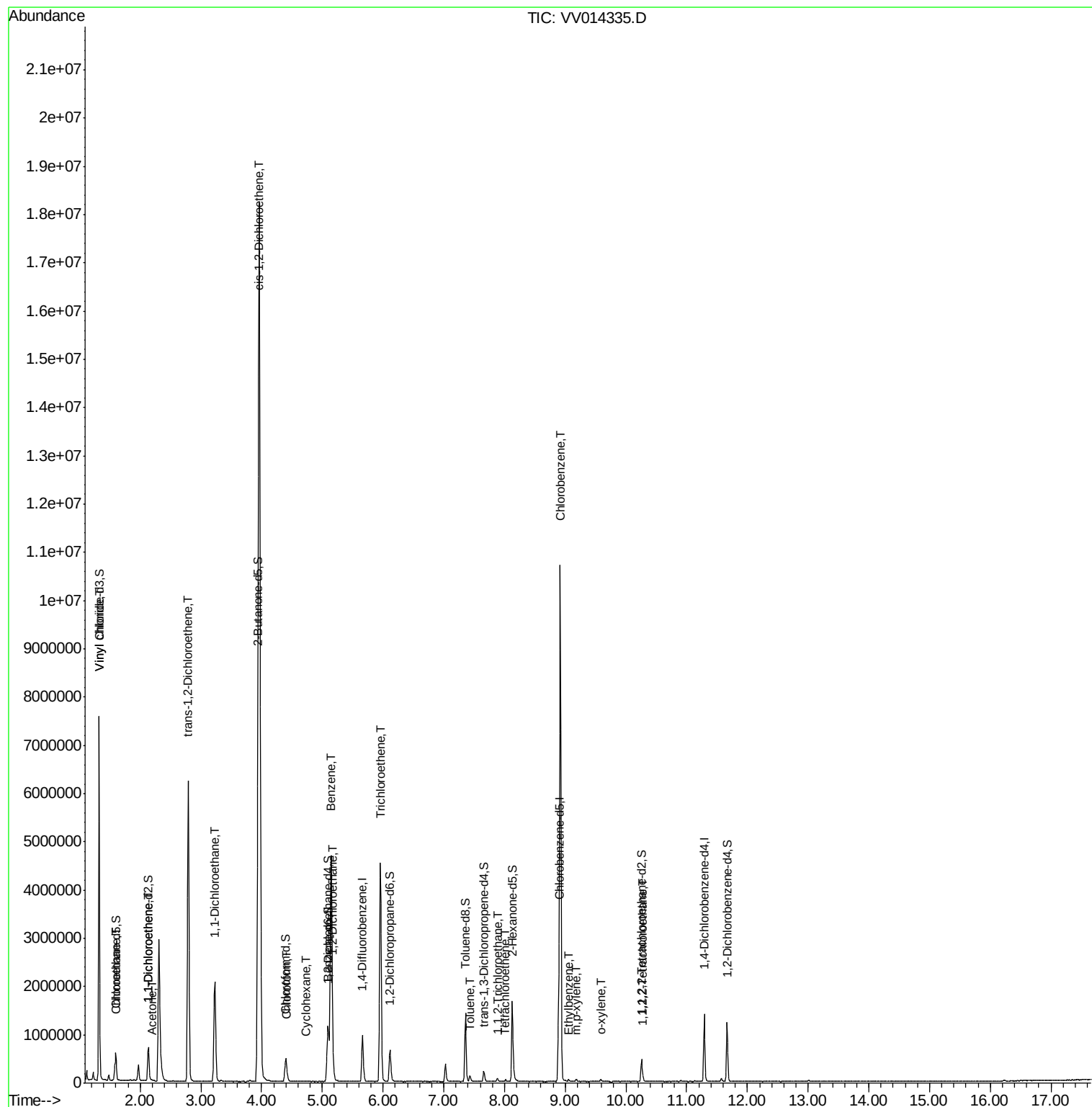
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011720\
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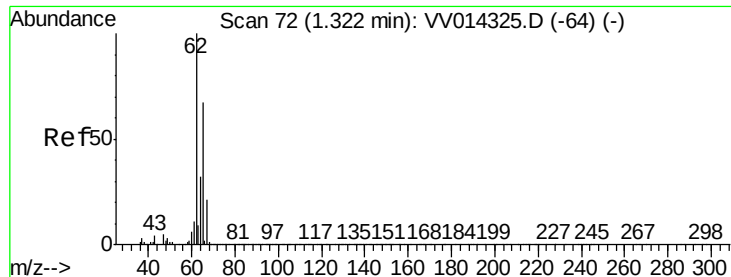
Instrument :
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QLast Update : Fri Jan 17 22:51:36 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 74.618 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014335.D

Acq: 17 Jan 2020 14:01

Instrument :

MSVOA_V

ClientSampleID :

BF764

Tot Ion: 62 Resp: 4275068

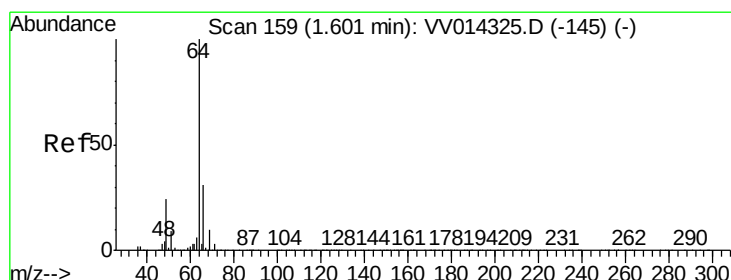
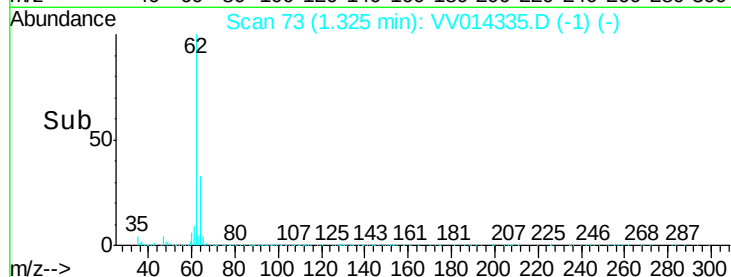
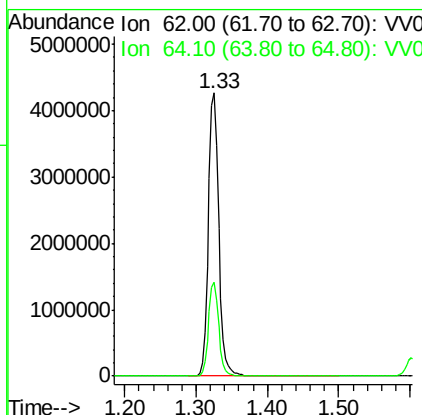
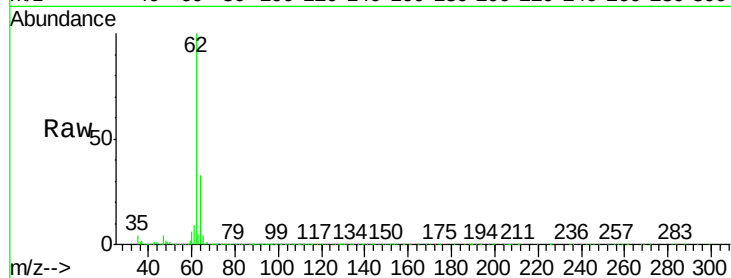
Ion Ratio Lower Upper

62 100

64 33.1 23.0 42.6

Manual Integrations
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#8

Chloroethane

Concen: 9.646 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014335.D

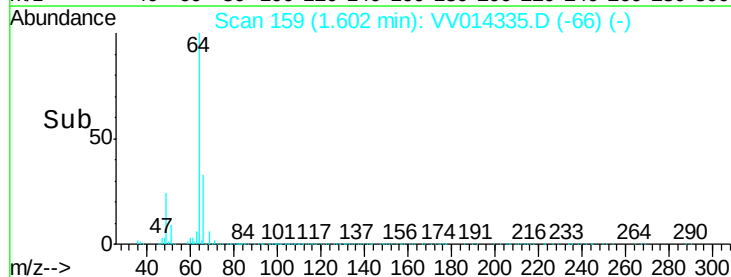
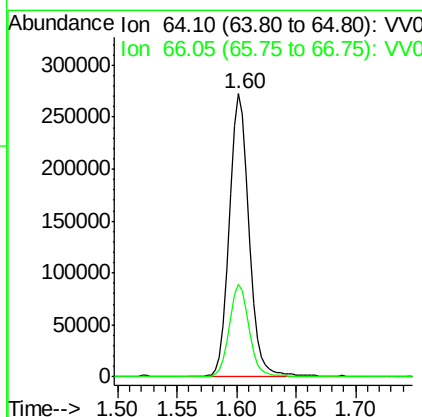
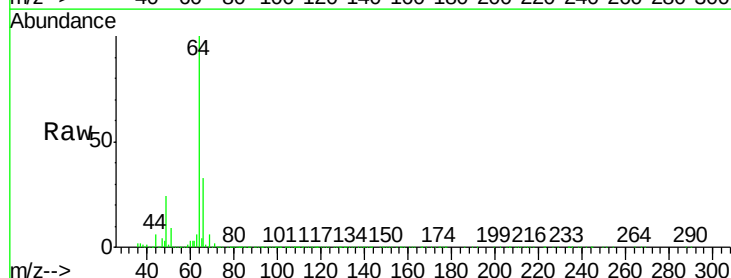
Acq: 17 Jan 2020 14:01

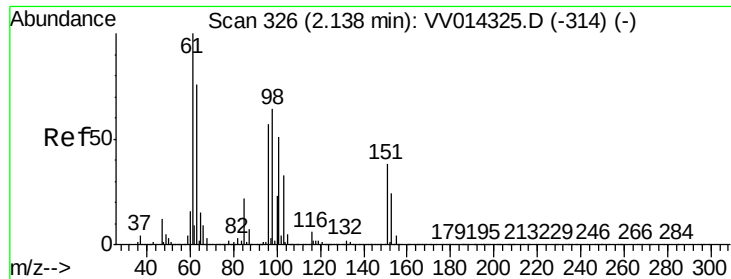
Tgt Ion: 64 Resp: 310537

Ion Ratio Lower Upper

64 100

66 32.7 21.8 40.6





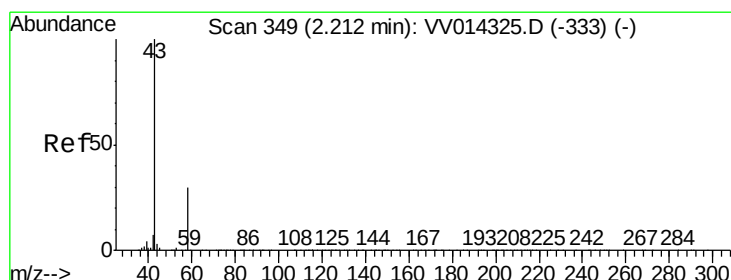
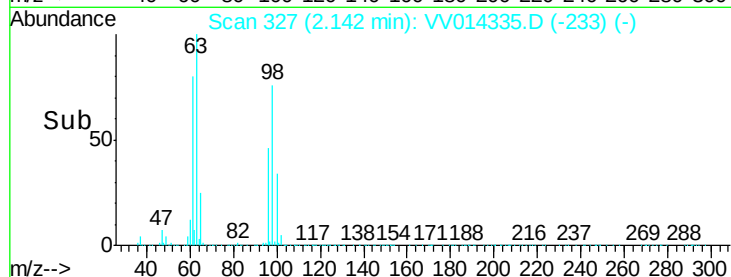
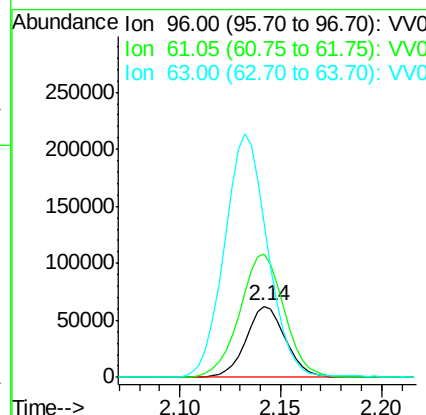
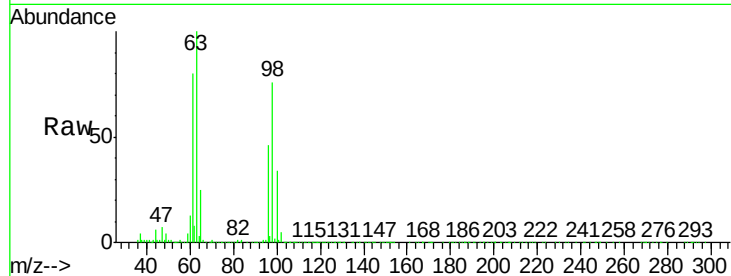
#12
 1,1-Dichloroethene
 Concen: 2.305 ug/L
 RT: 2.14 min Scan# 327
 Delta R.T. 0.00 min
 Lab File: VV014335.D
 Acq: 17 Jan 2020 14:01

Instrument :
 MSVOA_V
 ClientSampled :
 BF764

Tot Ion	Ratio	Lower	Upper
96	100		
61	172.8	121.5	225.7
63	215.1	90.3	167.7

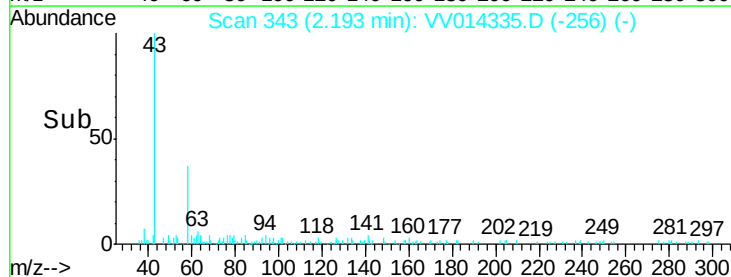
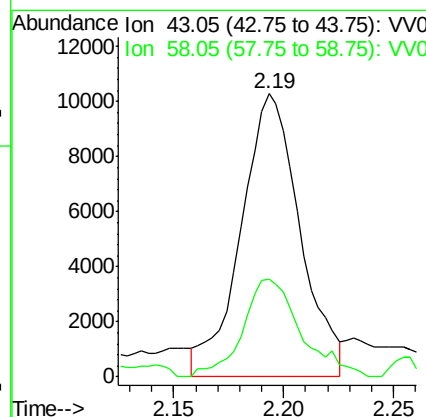
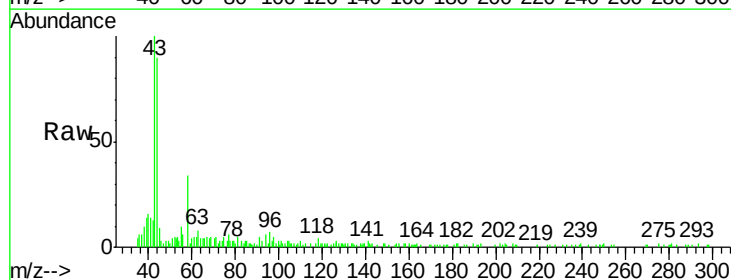
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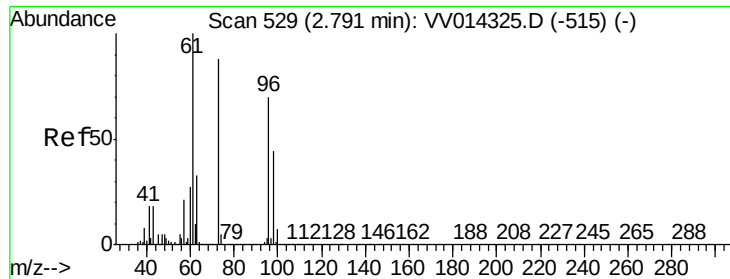
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#13
 Acetone
 Concen: 2.032 ug/L m
 RT: 2.19 min Scan# 343
 Delta R.T. -0.02 min
 Lab File: VV014335.D
 Acq: 17 Jan 2020 14:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	91.0	0.0	66.0





#18

trans-1,2-Dichloroethene

Concen: 41.028 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV014335.D

Acq: 17 Jan 2020 14:01

Instrument :

MSVOA_V

ClientSampled :

BF764

Tot Ion: 96 Resp: 2255586

Ion Ratio Lower Upper

96 100

61 148.5 99.2 184.2

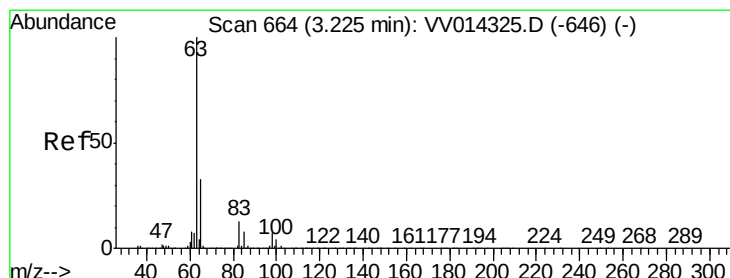
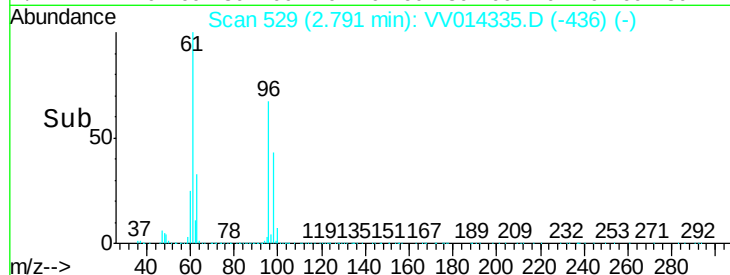
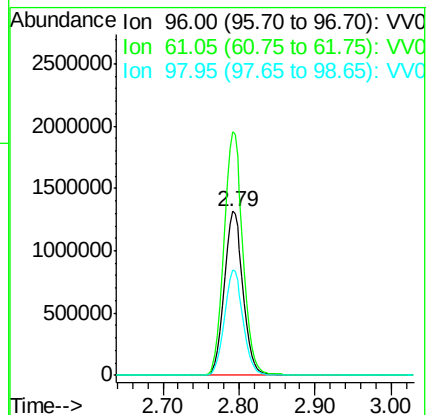
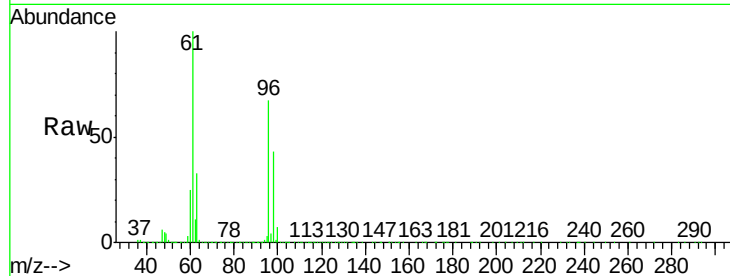
98 64.0 43.1 80.1

Manual Integrations

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#19

1,1-Dichloroethane

Concen: 20.074 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV014335.D

Acq: 17 Jan 2020 14:01

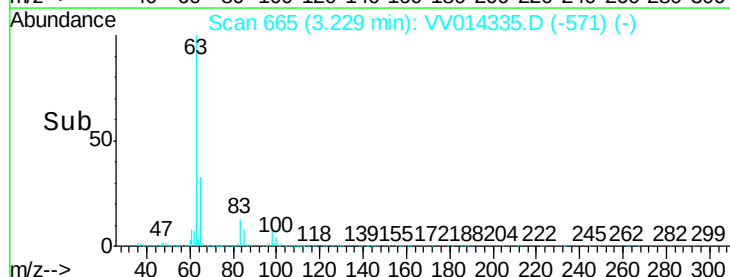
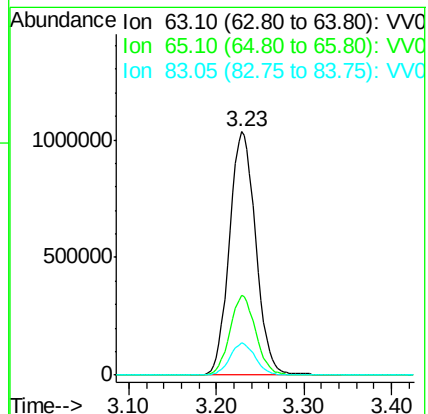
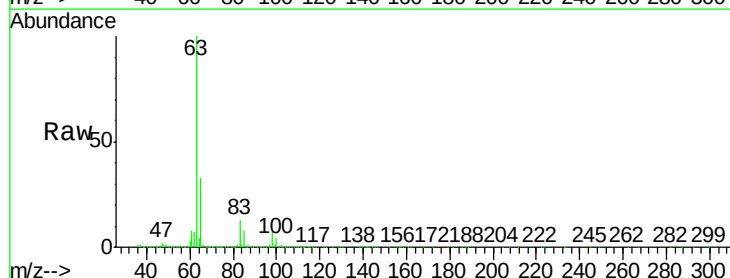
Tgt Ion: 63 Resp: 2163042

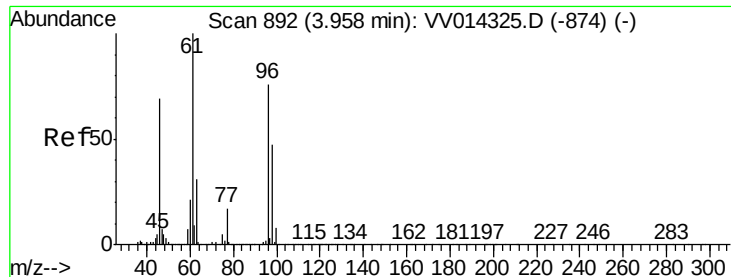
Ion Ratio Lower Upper

63 100

65 32.5 22.7 42.3

83 13.1 10.0 18.6





#22

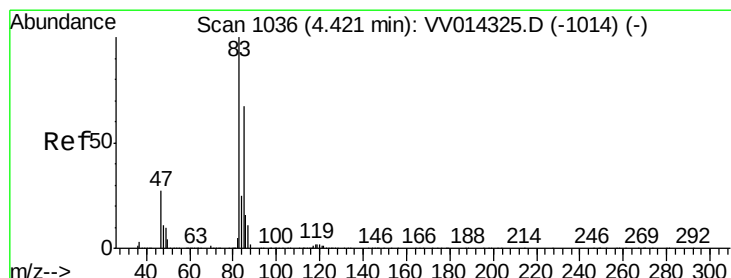
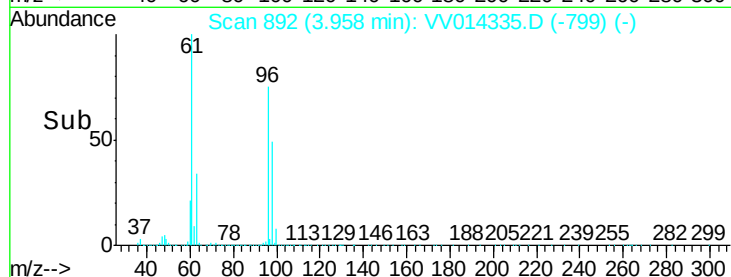
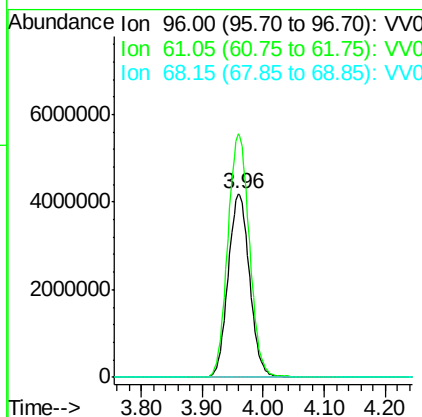
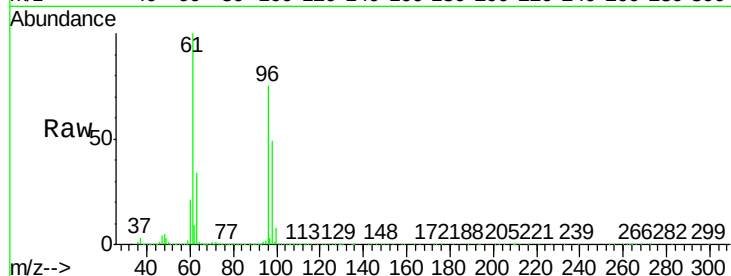
cis-1,2-Dichloroethene
Concen: 168.973 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV014335.D
Acq: 17 Jan 2020 14:01

Instrument :
MSVOA_V
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Tot Ion	Ratio	Lower	Upper
96	100		
61	132.6	90.6	168.3
68	0.0	0.3	0.7#

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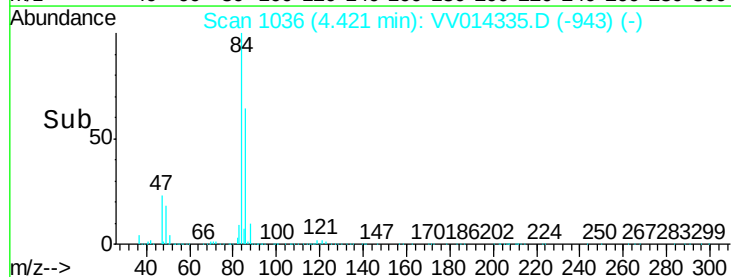
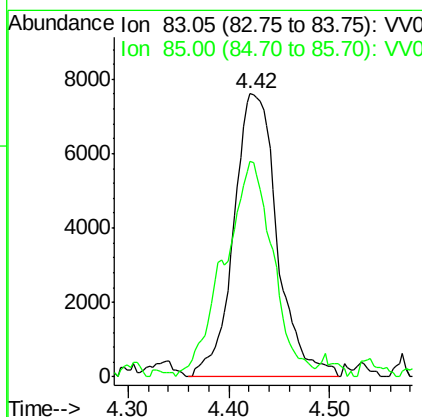
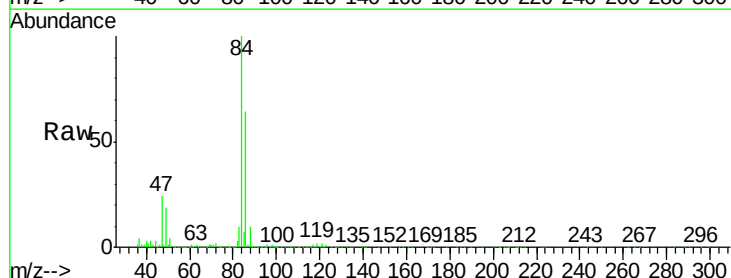
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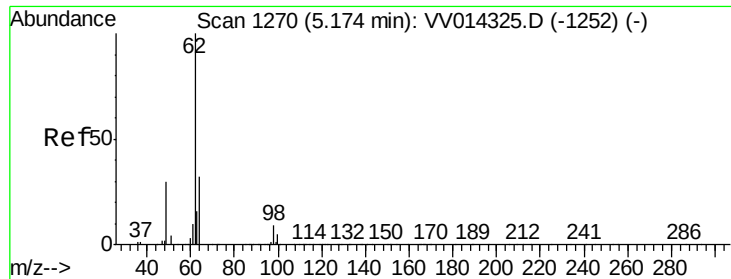


#25

Chloroform
Concen: 0.221 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV014335.D
Acq: 17 Jan 2020 14:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	76.1	46.2	85.8





#27

1,2-Dichloroethane

Concen: 5.091 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV014335.D

Acq: 17 Jan 2020 14:01

Instrument :

MSVOA_V

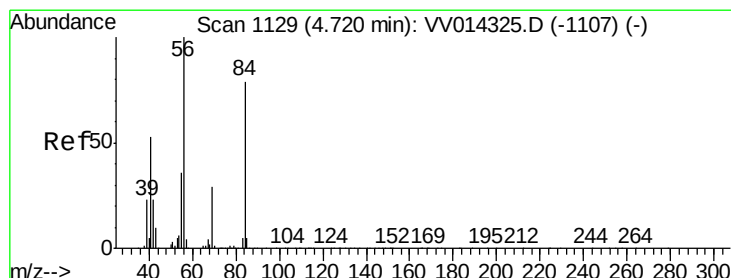
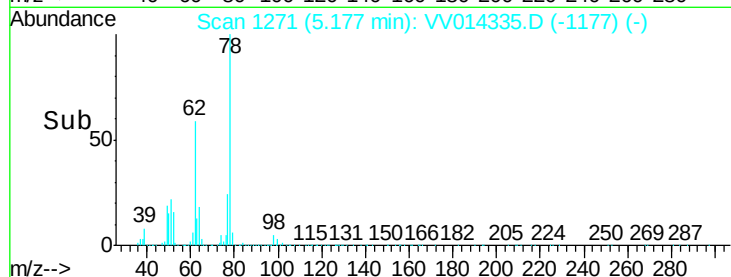
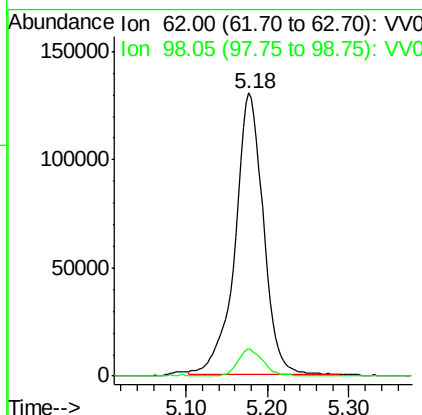
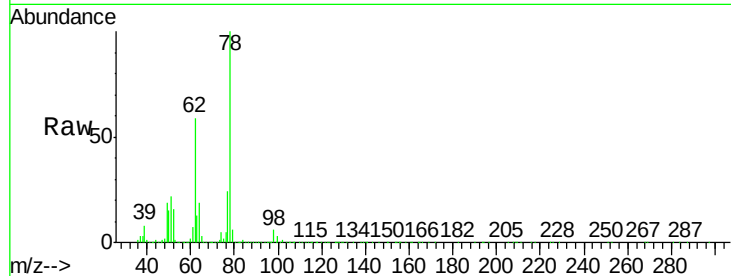
ClientSampleId :

BF764

Tot Ion	Ratio	Resp Lower	Upper
62	100		
98	9.5	9.2	13.8

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#30

Cyclohexane

Concen: 0.105 ug/L

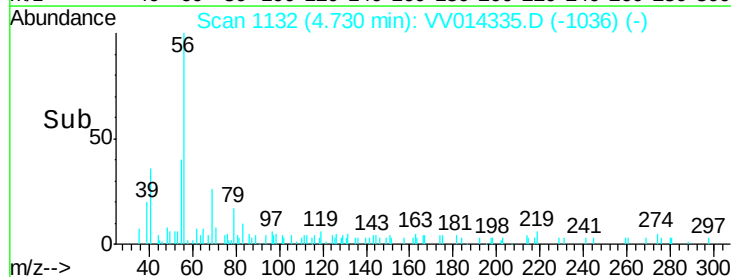
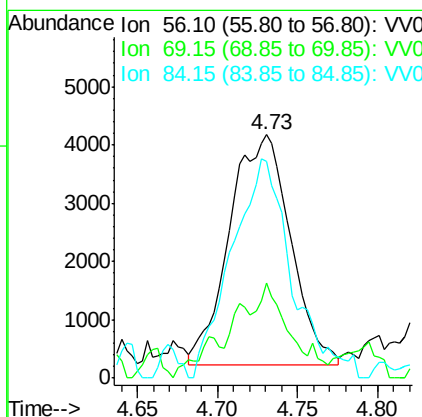
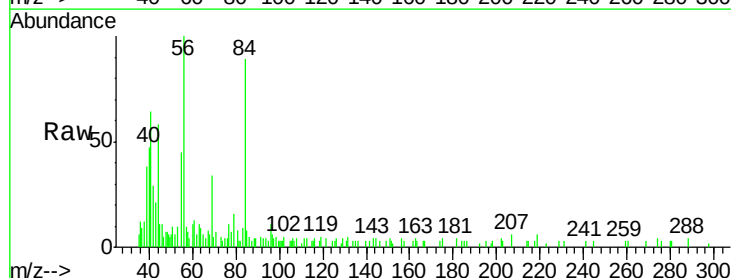
RT: 4.73 min Scan# 1132

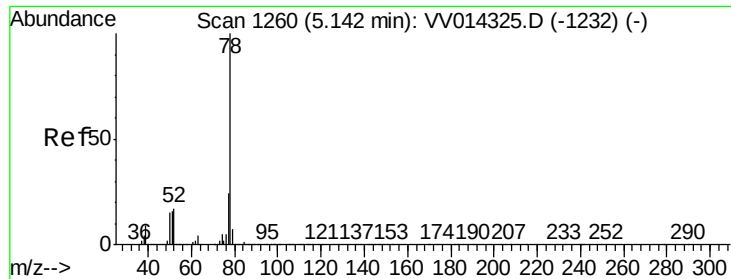
Delta R.T. 0.01 min

Lab File: VV014335.D

Acq: 17 Jan 2020 14:01

Tgt Ion	Ratio	Resp Lower	Upper
56	100		
69	16.0	23.9	35.9#
84	94.3	68.9	103.3





#33

Benzene

Concen: 19.974 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV014335.D

Acq: 17 Jan 2020 14:01

Instrument :

MSVOA_V

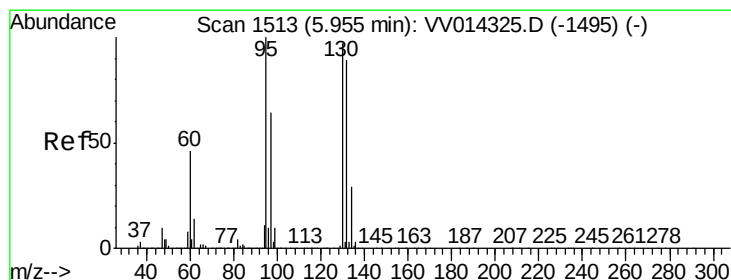
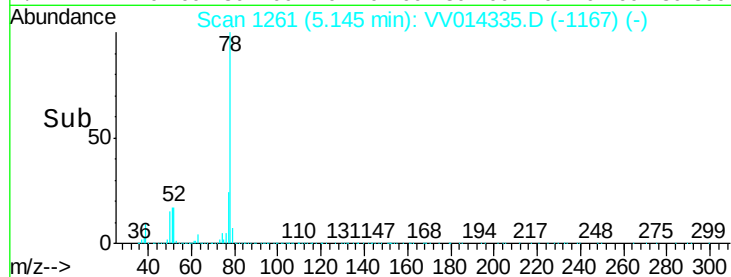
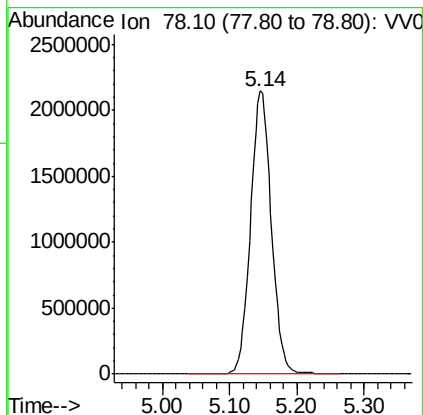
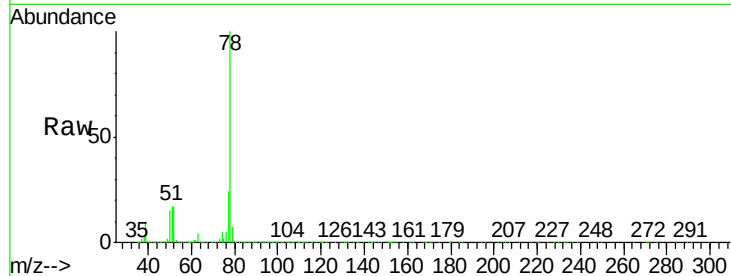
ClientSampleId :

BF764

Tgt Ion: 78 Resp: 4617724

Manual Integrations
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1/20/2020 12:20:16 PM



#34

Trichloroethene

Concen: 27.982 ug/L

RT: 5.96 min Scan# 1513

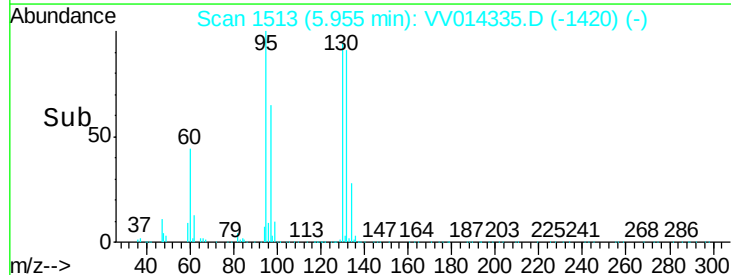
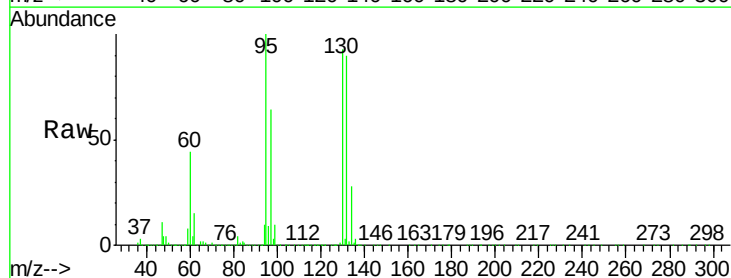
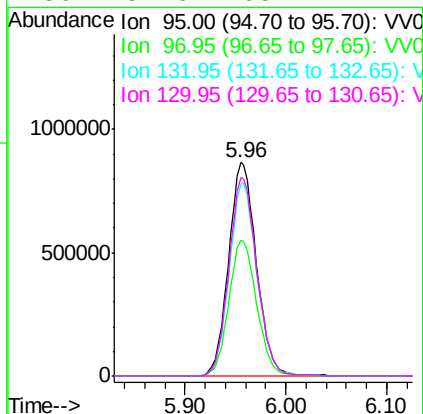
Delta R.T. 0.00 min

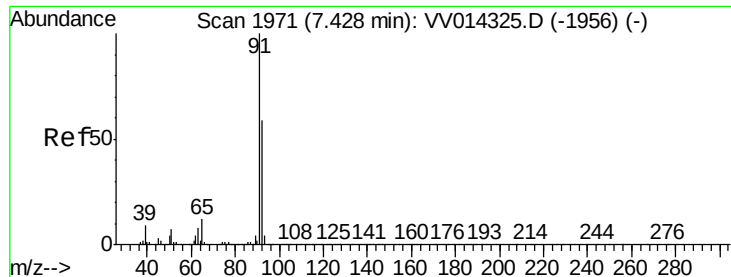
Lab File: VV014335.D

Acq: 17 Jan 2020 14:01

Tgt Ion: 95 Resp: 1662406

Ion	Ratio	Lower	Upper
95	100		
97	63.8	43.8	81.3
132	89.8	63.4	117.8
130	92.6	65.7	122.1





#42

Toluene

Concen: 0.404 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV014335.D

Acq: 17 Jan 2020 14:01

Instrument :

MSVOA_V

ClientSampleId :

BF764

Tot Ion: 91 Resp: 98517

Ion Ratio Lower Upper

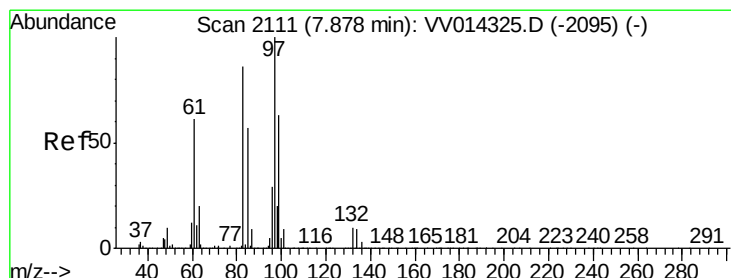
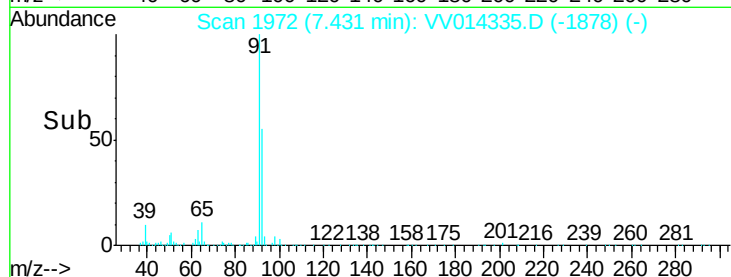
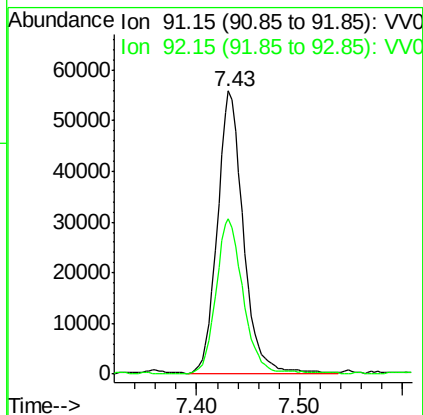
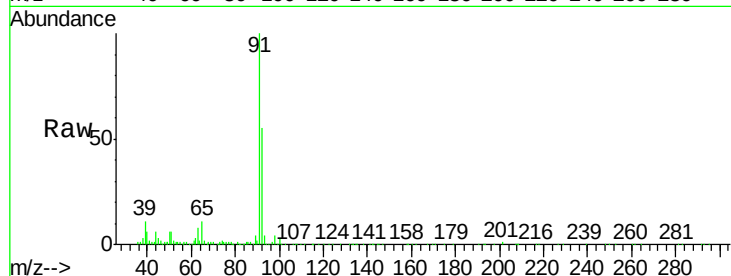
91 100

92 54.8 41.2 76.6

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#45

1,1,2-Trichloroethane

Concen: 0.514 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV014335.D

Acq: 17 Jan 2020 14:01

Tgt Ion: 97 Resp: 19152

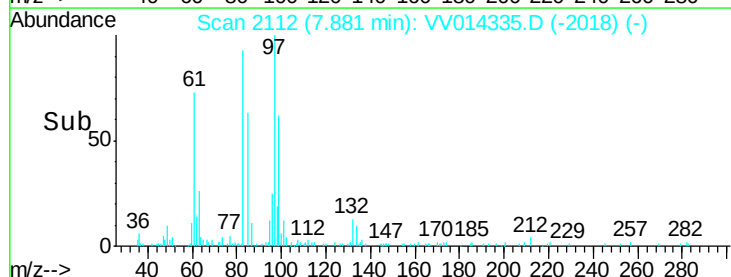
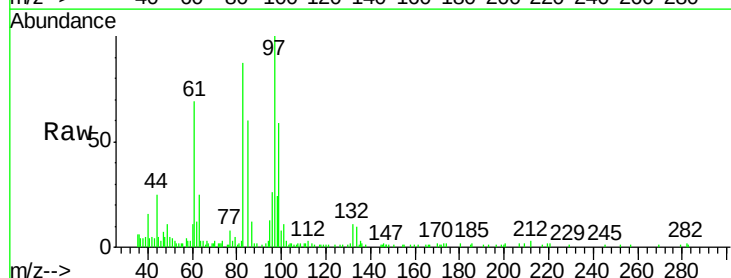
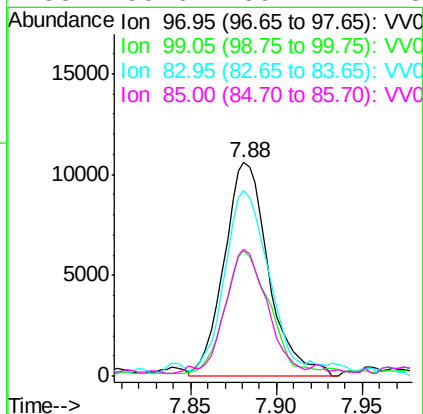
Ion Ratio Lower Upper

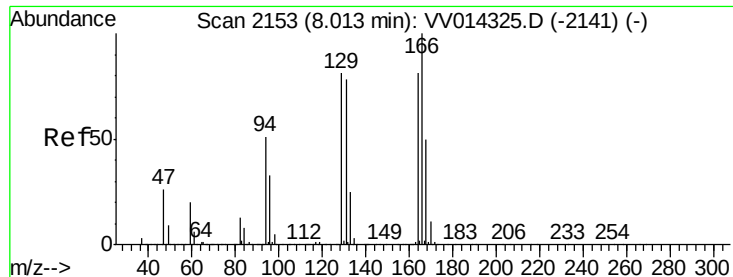
97 100

99 58.7 43.7 81.1

83 86.6 60.0 111.4

85 59.6 39.2 72.8





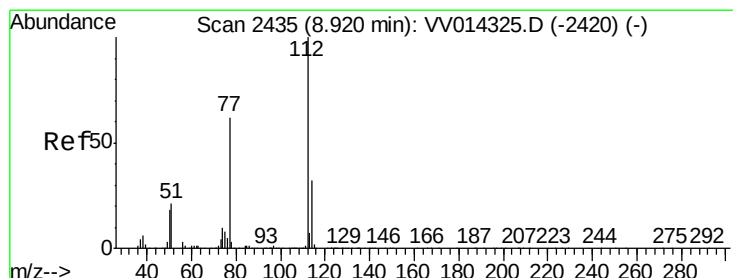
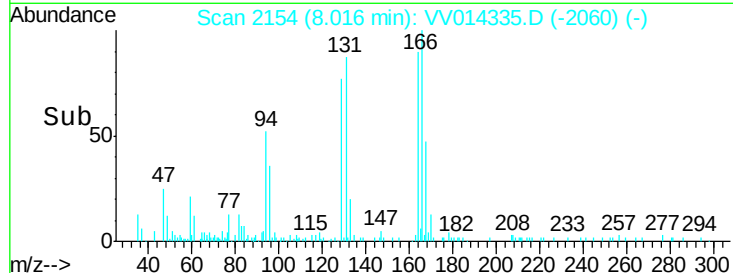
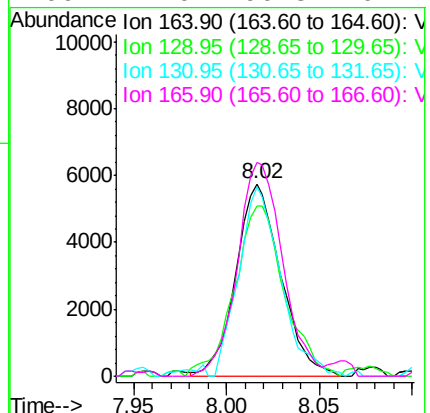
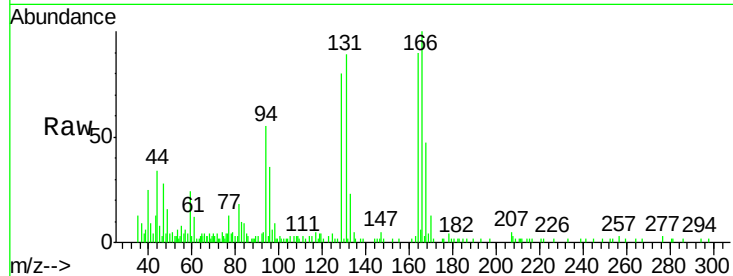
#47
Tetrachloroethene
Concen: 0.239 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV014335.D
Acq: 17 Jan 2020 14:01

Instrument :
MSVOA_V
ClientSampleId :
BF764

Tot Ion	164	Resp	9707
Ion	Ratio	Lower	Upper
164	100		
129	88.2	71.7	133.3
131	98.7	70.4	130.8
166	111.0	90.3	167.7

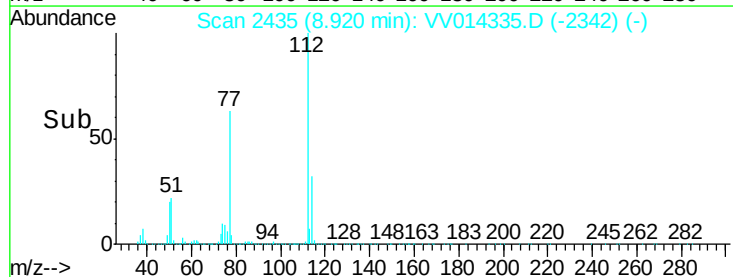
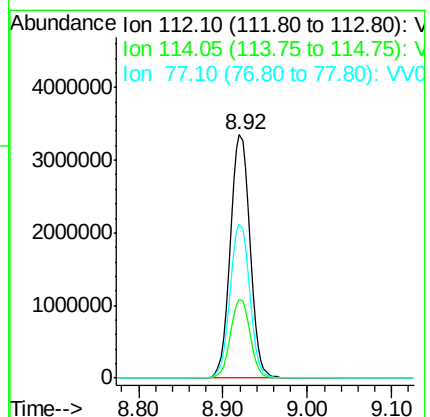
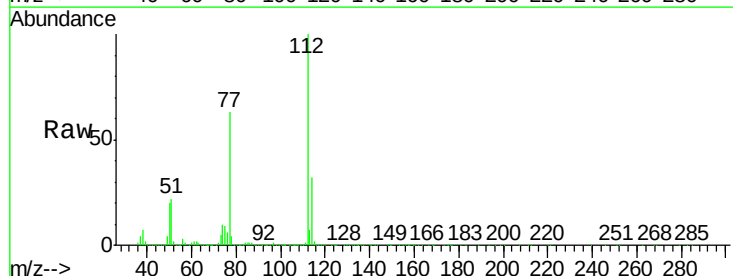
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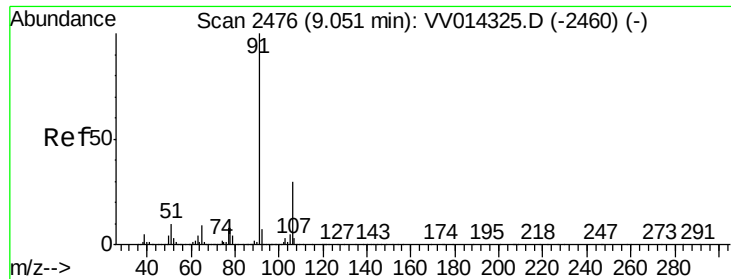
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#51
Chlorobenzene
Concen: 36.158 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014335.D
Acq: 17 Jan 2020 14:01

Tgt Ion	112	Resp	5426561
Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.5	41.7
77	63.4	49.3	73.9





#52

Ethylbenzene

Concen: 0.122 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV014335.D

Acq: 17 Jan 2020 14:01

Instrument :

MSVOA_V

ClientSampleId :

BF764

Tot Ion: 91 Resp: 33229

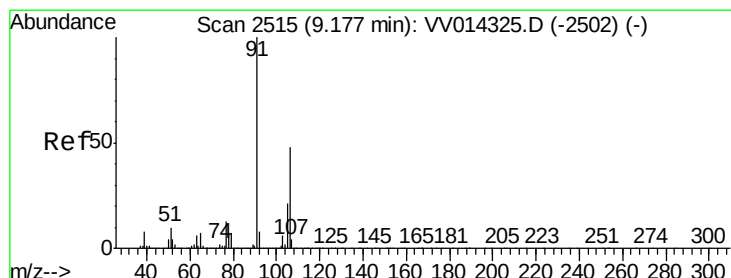
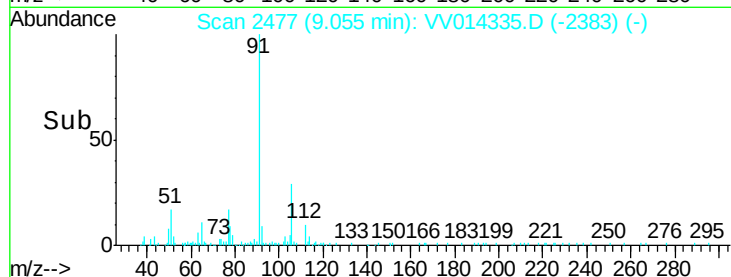
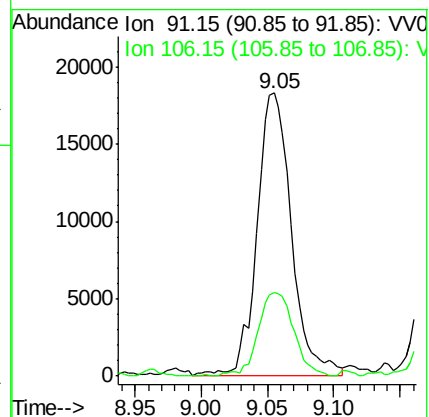
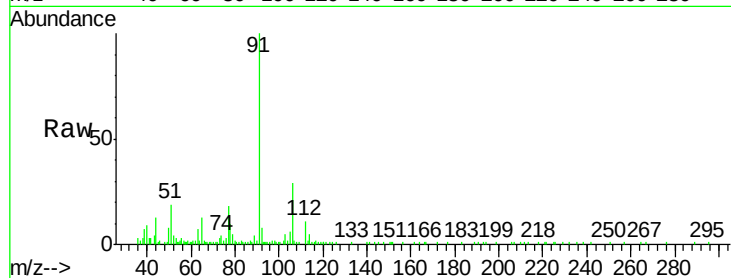
Ion Ratio Lower Upper

91 100

106 29.4 21.6 40.0

Manual Integrations
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#53

m,p-xylene

Concen: 0.135 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV014335.D

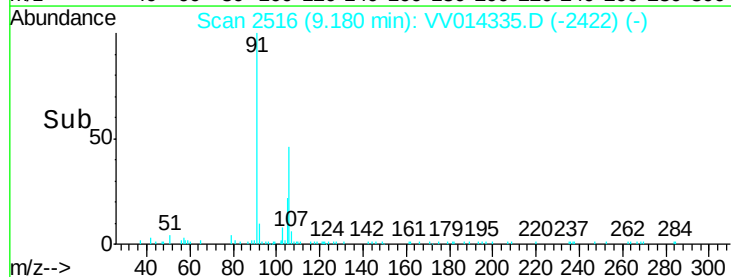
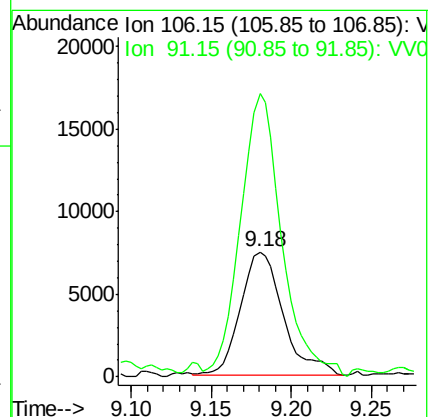
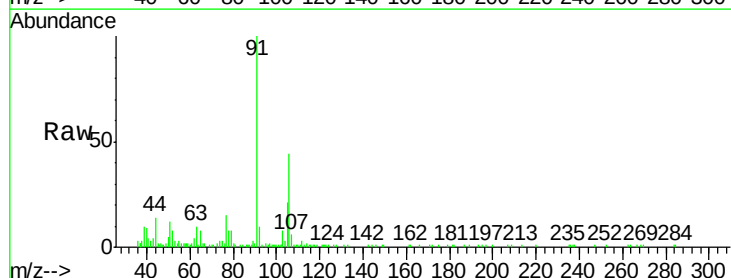
Acq: 17 Jan 2020 14:01

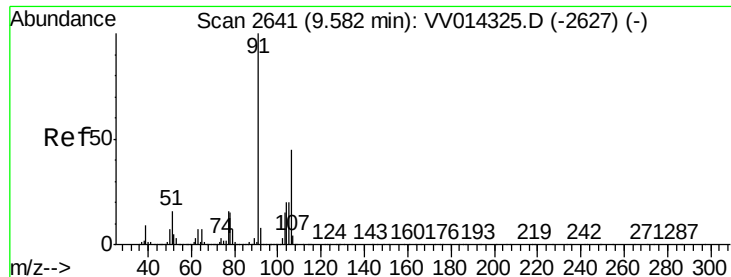
Tgt Ion: 106 Resp: 13628

Ion Ratio Lower Upper

106 100

91 226.2 146.8 272.6





#54

o-xylene

Concen: 0.155 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV014335.D

Acq: 17 Jan 2020 14:01

Instrument :

MSVOA_V

ClientSampleId :

BF764

Tot Ion:106 Resp: 15338

Ion Ratio Lower Upper

106 100

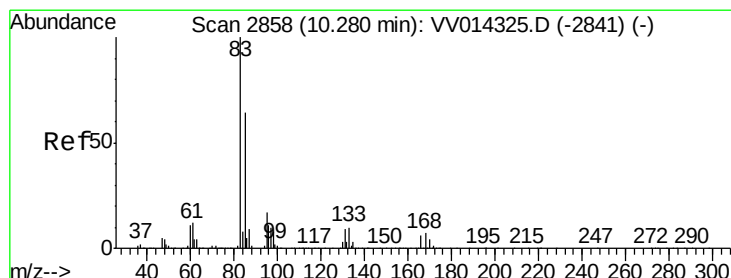
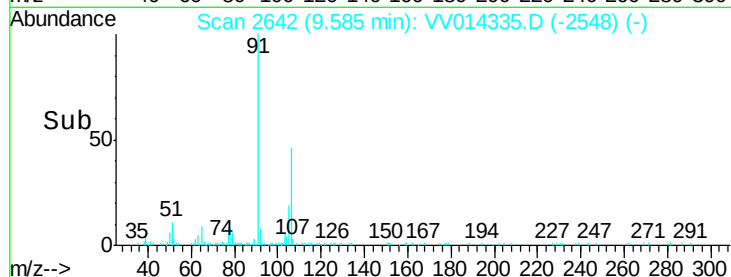
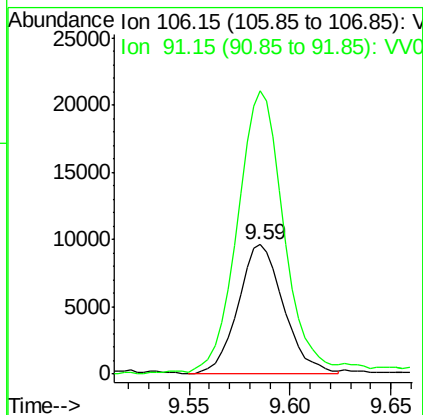
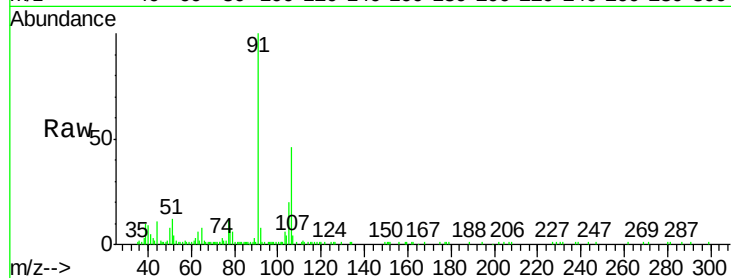
91 218.2 150.9 280.3

Manual Integrations

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#58

1,1,2,2-Tetrachloroethane

Concen: 0.865 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014335.D

Acq: 17 Jan 2020 14:01

Tgt Ion: 83 Resp: 39762

Ion Ratio Lower Upper

83 100

85 63.4 45.9 85.3

131 12.1 7.8 11.8#

