

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
 Data File : VV014953.D
 Acq On : 16 Mar 2020 18:07
 Operator : SY/MD
 Sample : L1890-18
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DH5

Manual Integrations
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Quant Time: Mar 18 04:30:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 18 03:17:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.65	114	399071	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.94	117	416154	50.00	ug/L	0.06
60) 1,4-Dichlorobenzene-d4	11.30	152	274385	50.00	ug/L	0.03

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	131492	49.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.92%
7) Chloroethane-d5	1.58	69	90306	45.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.46%
11) 1,1-Dichloroethene-d2	2.12	63	136123	33.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.74%
21) 2-Butanone-d5	3.93	46	117823	72.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	72.68%
24) Chloroform-d	4.38	84	235320	42.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.96%
26) 1,2-Dichloroethane-d4	5.07	65	64156	18.28	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	36.56%#
32) Benzene-d6	5.11	84	469313	40.94	ug/L	0.04
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.88%
36) 1,2-Dichloropropane-d6	6.10	67	141650	41.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.98%
41) Toluene-d8	7.34	98	478098	42.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.34%
43) trans-1,3-Dichloropropene-	7.65	79	70161	38.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.32%
47) 2-Hexanone-d5	8.13	63	129746	84.20	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.20%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	215683	43.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.30%
64) 1,2-Dichlorobenzene-d4	11.67	152	252956	42.08	ug/L	0.03
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.16%

Target Compounds

					Ovalue
12) 1,1-Dichloroethene	2.12	96	1359	0.725 ug/L #	1
14) Carbon disulfide	2.31	76	7540	1.225 ug/L #	92
16) Methylene chloride	2.52	84	9456	3.333 ug/L	84
20) cis-1,2-Dichloroethene	3.94	96	9239	3.081 ug/L	92
25) Chloroform	4.41	83	56670	10.846 ug/L	94
29) Cyclohexane	4.70	56	30214	7.029 ug/L	97
33) Benzene	5.12	78	63901601m	5643.039 ug/L	
34) Trichloroethene	5.94	95	8417	2.770 ug/L	98
35) Methylcyclohexane	6.16	83	6205	1.266 ug/L #	73
42) Toluene	7.41	91	51141	4.014 ug/L	97
46) Tetrachloroethene	8.00	164	10872	3.830 ug/L	92
51) Chlorobenzene	8.90	112	61187485m	6973.190 ug/L	
62) 1,3-Dichlorobenzene	11.21	146	4448085	491.936 ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	34722463m	3812.177 ug/L	
65) 1,2-Dichlorobenzene	11.67	146	28602415m	3166.735 ug/L	
68) 1,2,4-trichlorobenzene	13.29	180	4629826	732.715 ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	205204	32.807 ug/L	99

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

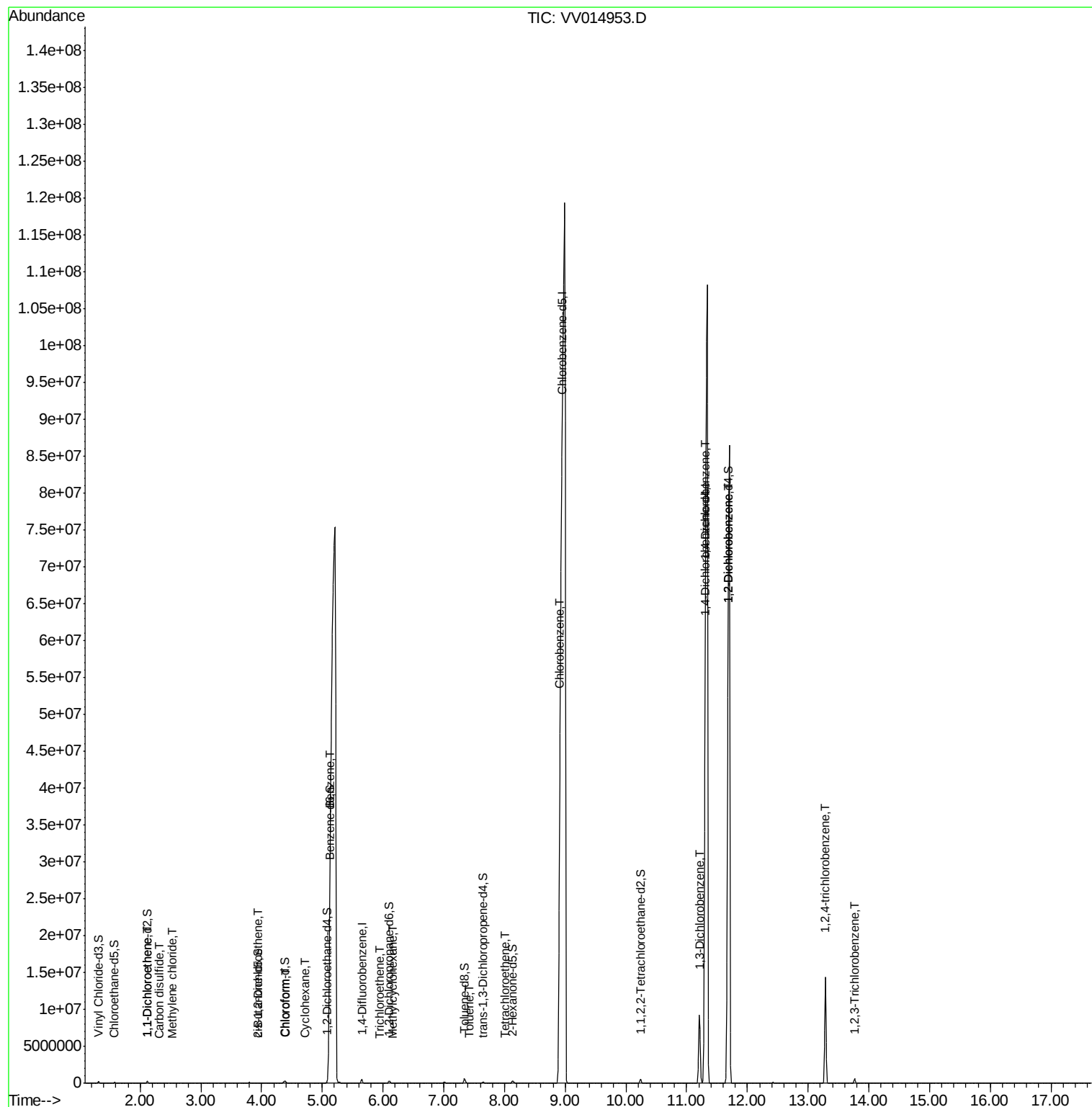
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Data File : VV014953.D
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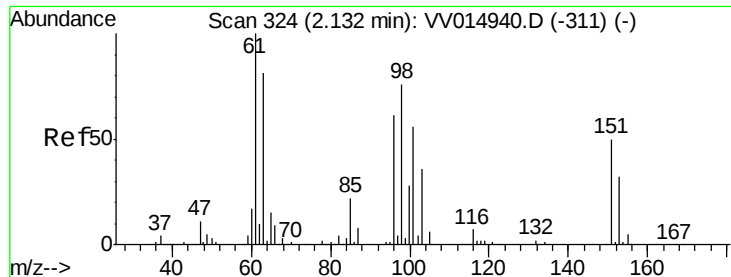
Instrument :
MSVOA_V
ClientSampleId :
C0DH5

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.725 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV014953.D

Acq: 16 Mar 2020 18:07

Instrument :

MSVOA_V

ClientSampleId :

C0DH5

Tot Ion: 96 Resp: 1359

Ion Ratio Lower Upper

96 100

61 1354.5 115.7 214.9

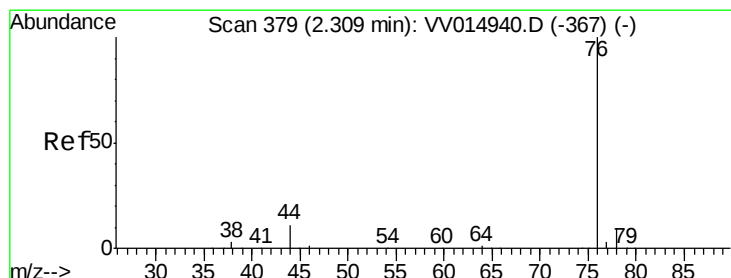
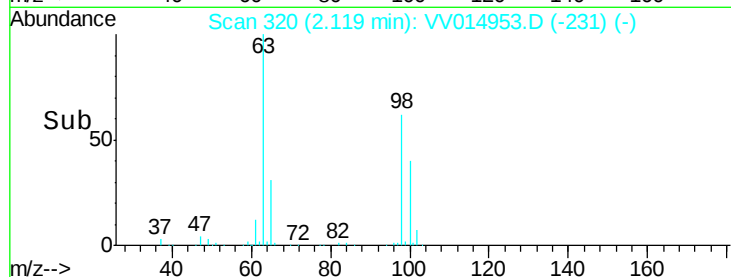
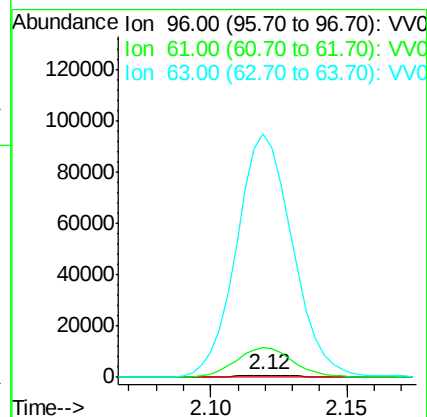
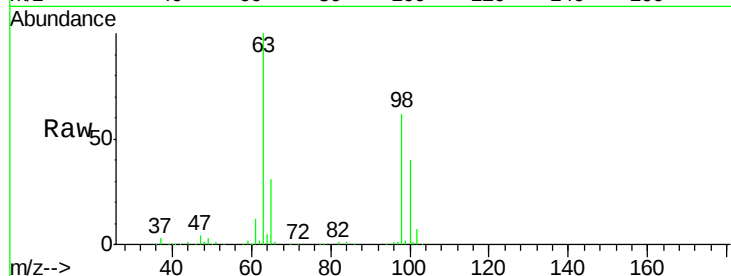
63 11187.7 99.2 184.

Manual Integrations

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#14

Carbon disulfide

Concen: 1.225 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV014953.D

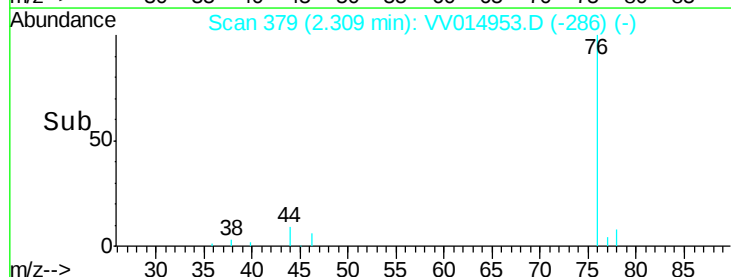
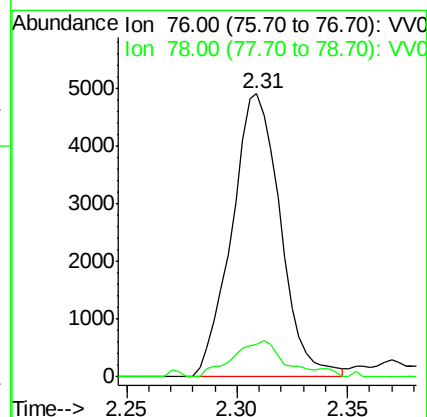
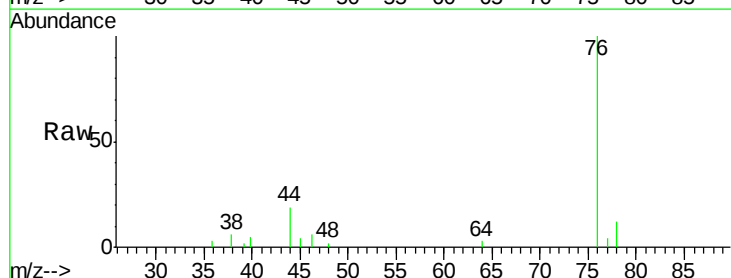
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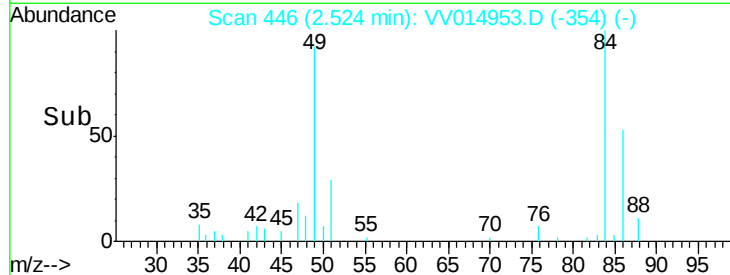
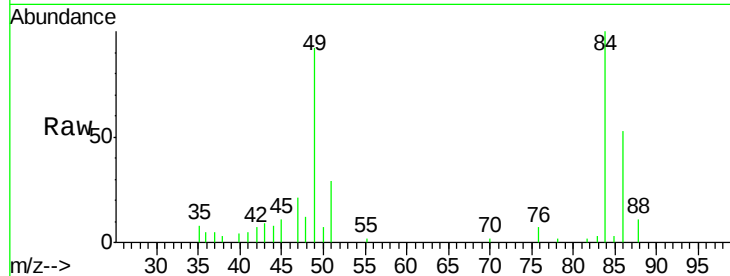
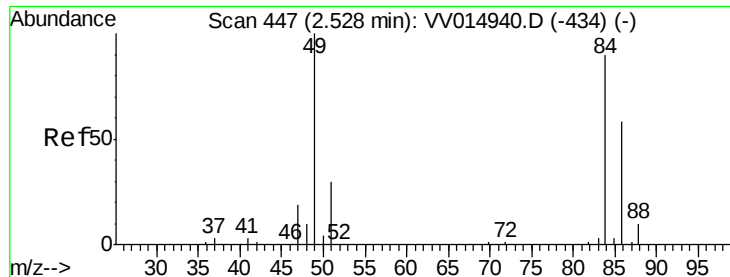
Tgt Ion: 76 Resp: 7540

Ion Ratio Lower Upper

76 100

78 11.7 7.2 10.8#





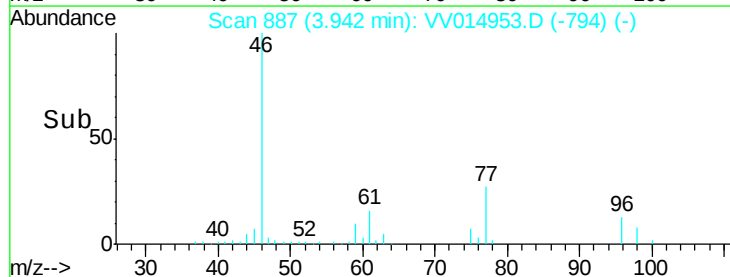
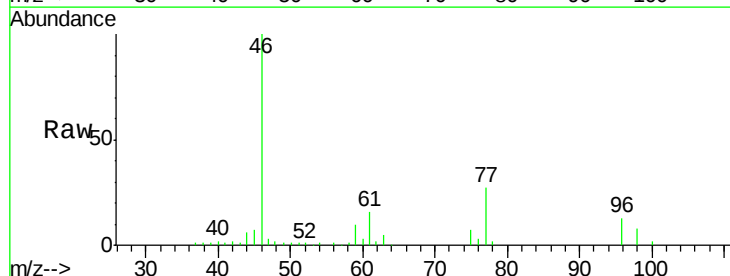
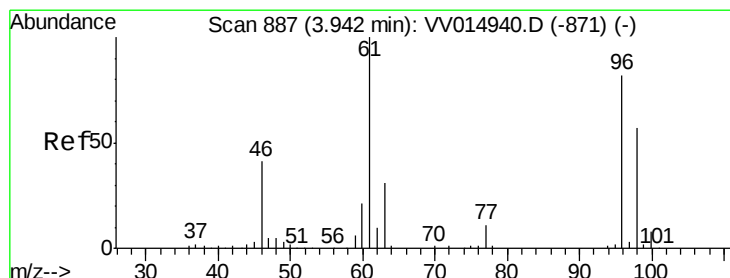
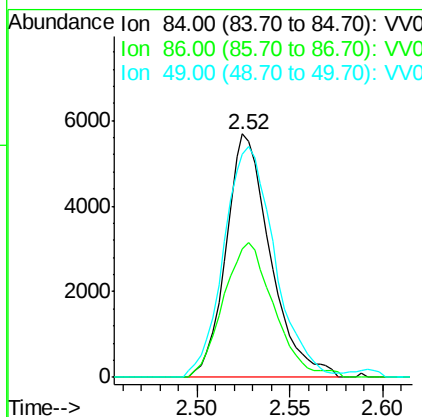
#16
Methvlene chloride
Concen: 3.333 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV014953.D
Acq: 16 Mar 2020 18:07

Tot Ion: 84 Resp: 9456
Ion Ratio Lower Upper
84 100
86 52.8 44.6 82.8
49 91.6 76.9 142.9

Instrument :
MSVOA_V
ClientSampled :
C0DH5

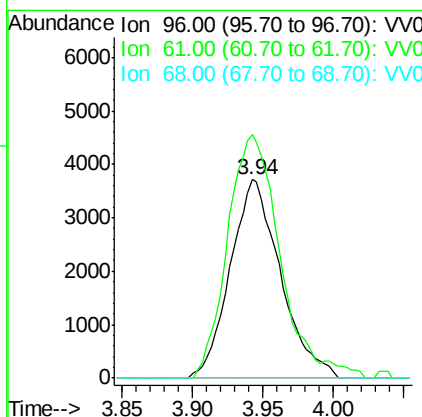
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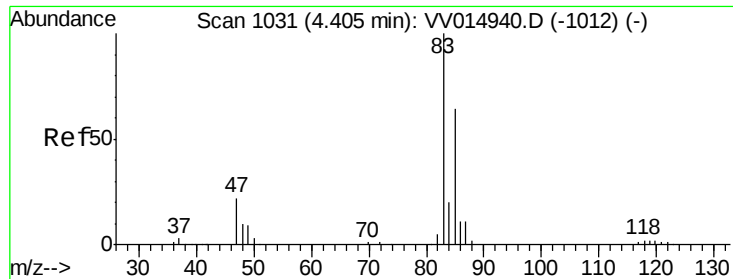
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#20
cis-1,2-Dichloroethene
Concen: 3.081 ug/L
RT: 3.94 min Scan# 887
Delta R.T. -0.00 min
Lab File: VV014953.D
Acq: 16 Mar 2020 18:07

Tgt Ion: 96 Resp: 9239
Ion Ratio Lower Upper
96 100
61 122.8 80.2 149.0
68 0.0 0.0 0.0





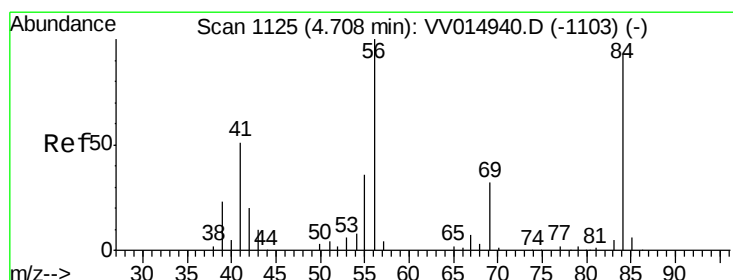
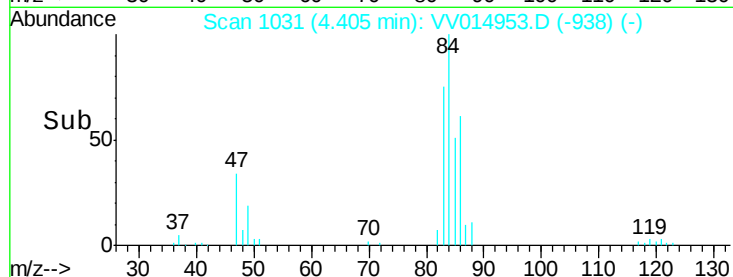
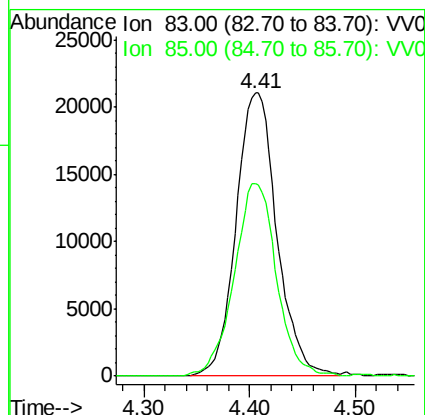
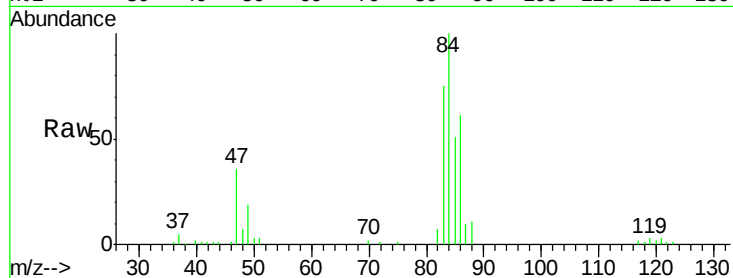
#25
Chloroform
Concen: 10.846 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VV014953.D
Acq: 16 Mar 2020 18:07

Instrument :
MSVOA_V
ClientSampleId :
C0DH5

Tot Ion: 83 Resp: 56670
Ion Ratio Lower Upper
83 100
85 68.2 44.6 82.8

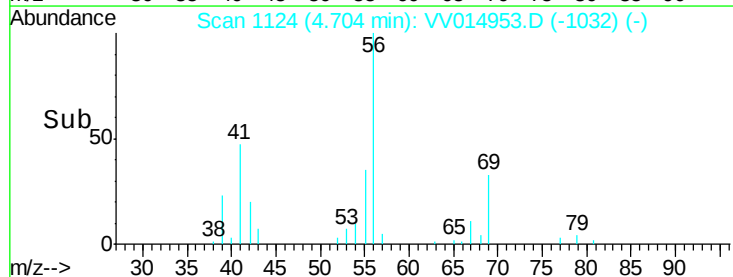
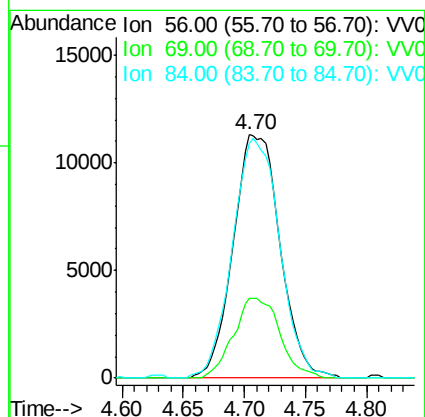
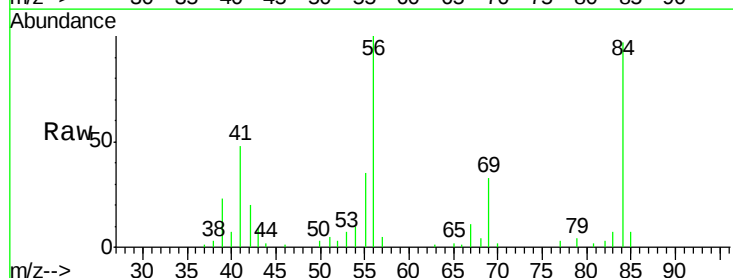
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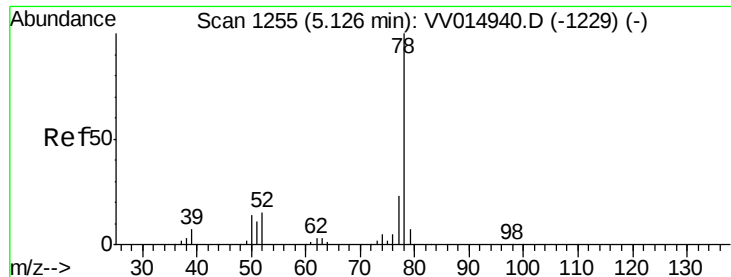
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#29
Cyclohexane
Concen: 7.029 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VV014953.D
Acq: 16 Mar 2020 18:07

Tgt Ion: 56 Resp: 30214
Ion Ratio Lower Upper
56 100
69 32.5 25.2 37.8
84 99.1 76.4 114.6





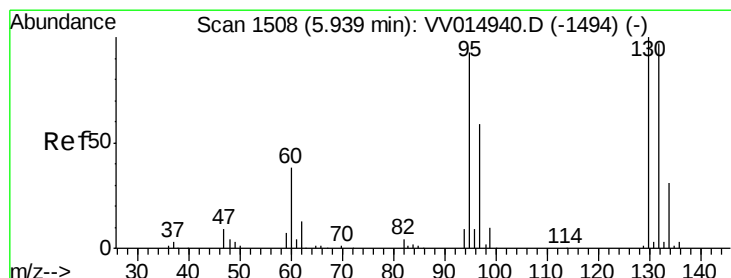
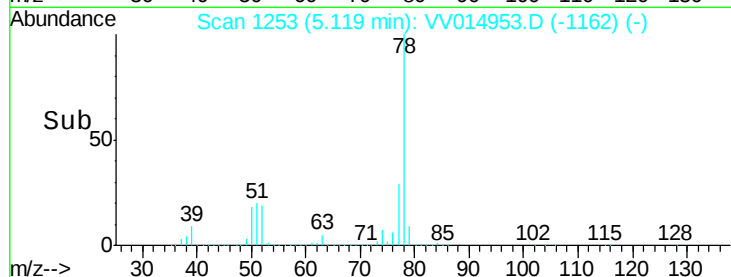
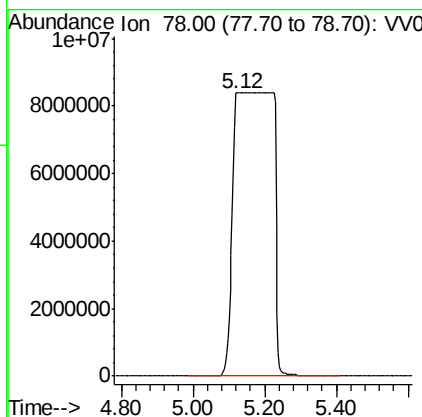
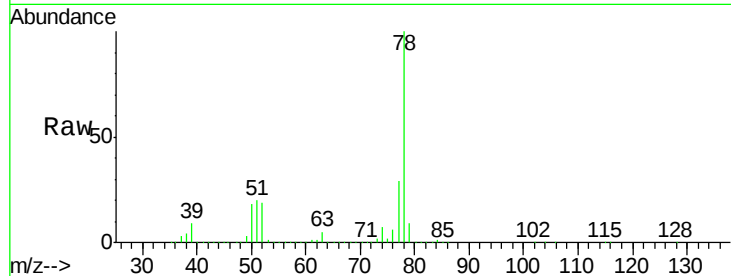
#33
Benzene
Concen: 5643.039 ug/L m
RT: 5.12 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VV014953.D
Acq: 16 Mar 2020 18:07

Instrument :
MSVOA_V
ClientSampleId :
C0DH5

Tgt Ion: 78 Resp:63901601

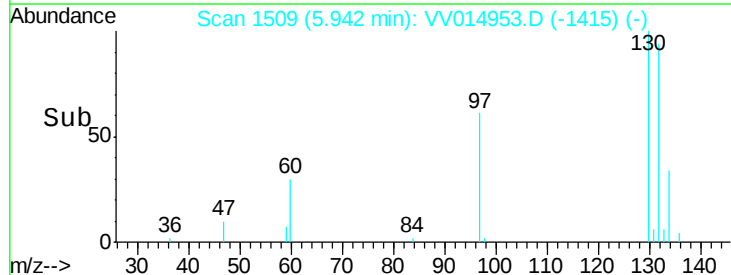
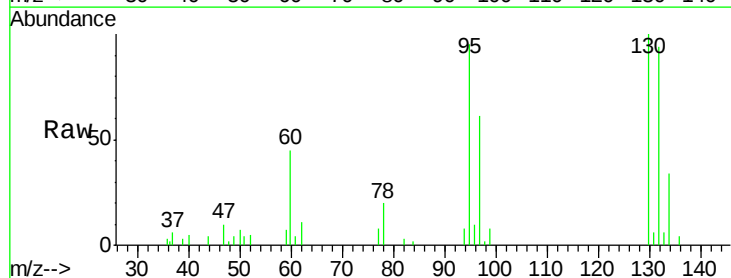
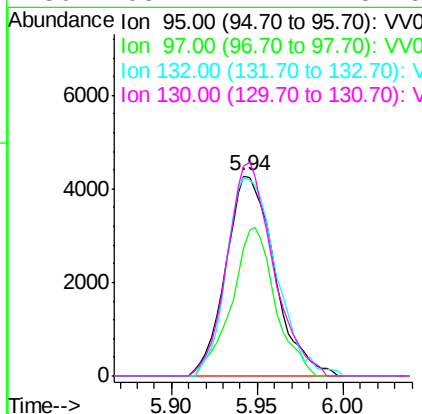
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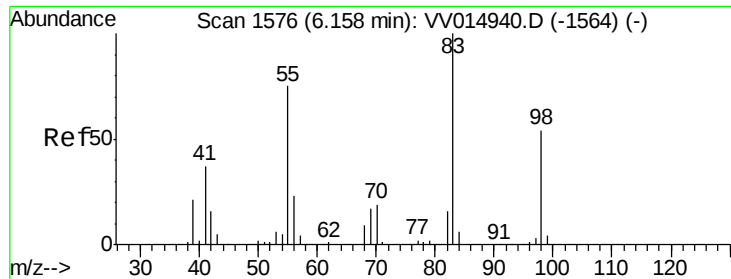
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#34
Trichloroethene
Concen: 2.770 ug/L
RT: 5.94 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VV014953.D
Acq: 16 Mar 2020 18:07

Tgt Ion: 95 Resp: 8417
Ion Ratio Lower Upper
95 100
97 63.9 44.4 82.4
132 99.1 72.4 134.4
130 105.2 74.1 137.5





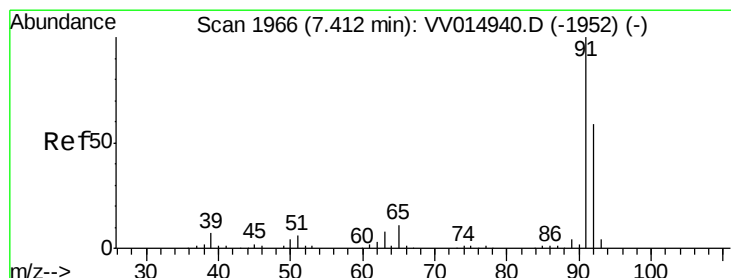
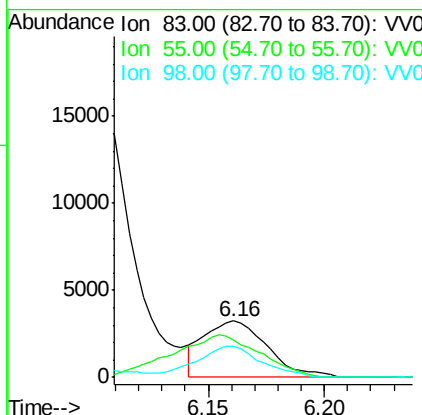
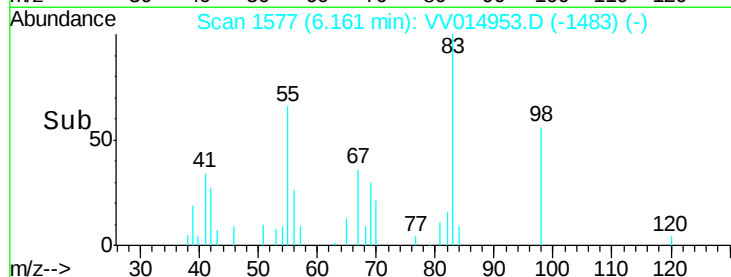
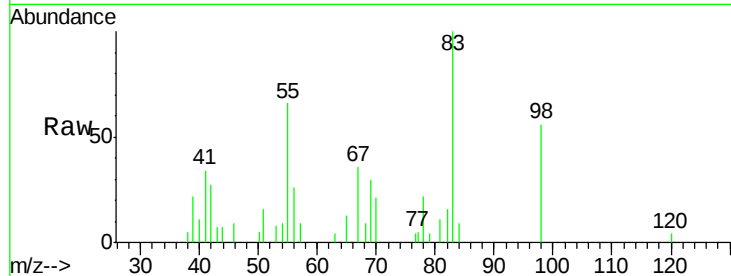
#35
Methvlcvclohexane
Concen: 1.266 ug/L
RT: 6.16 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VV014953.D
Acq: 16 Mar 2020 18:07

Instrument :
MSVOA_V
ClientSampled :
C0DH5

Tot Ion	83	Resp	6205
Ion Ratio	100	Lower	Upper
83	100		
55	103.6	57.5	86.3#
98	56.2	39.5	59.3

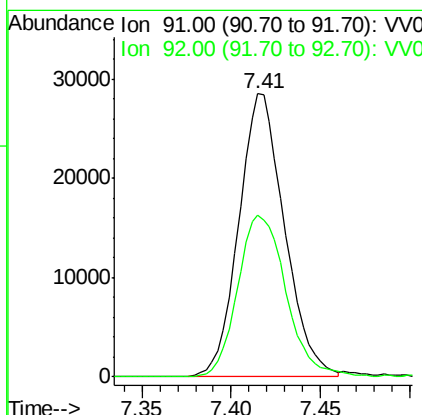
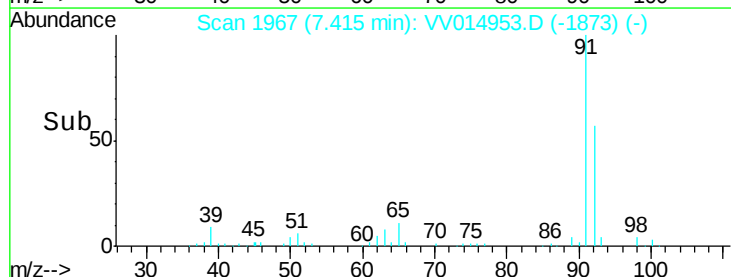
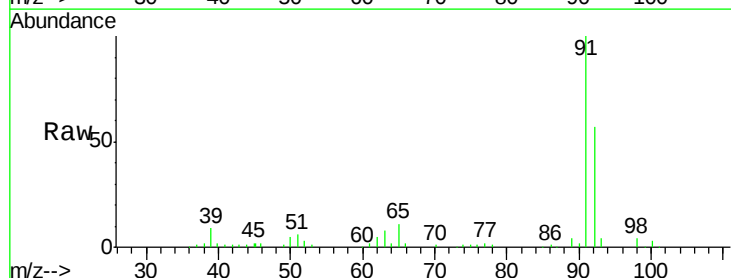
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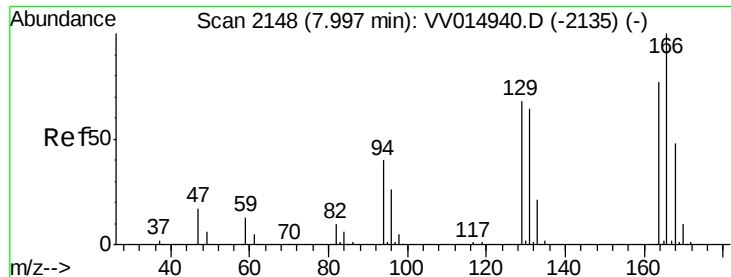
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#42
Toluene
Concen: 4.014 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VV014953.D
Acq: 16 Mar 2020 18:07

Tgt Ion	91	Resp	51141
Ion Ratio	100	Lower	Upper
91	100		
92	57.1	41.4	76.8





#46

Tetrachloroethene

Concen: 3.830 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. 0.01 min

Lab File: VV014953.D

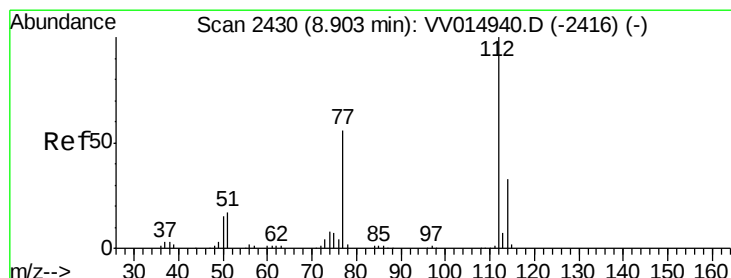
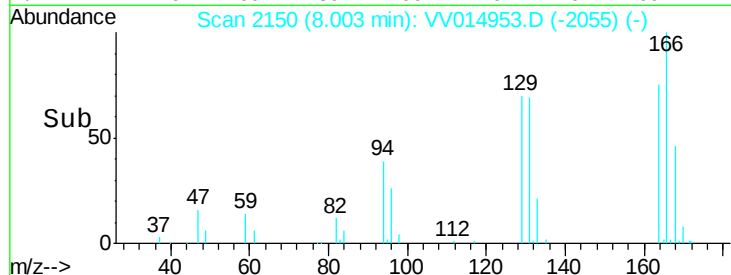
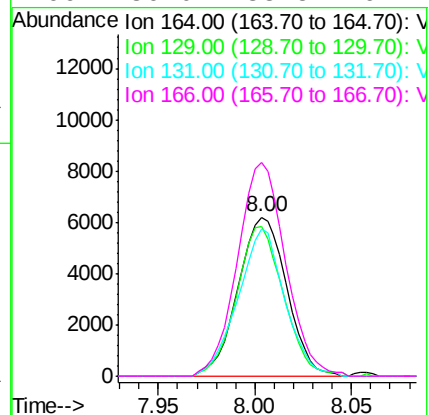
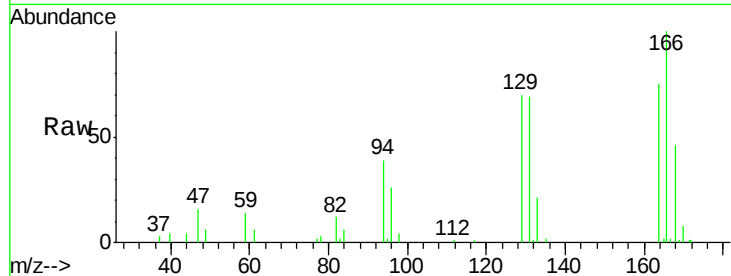
Acq: 16 Mar 2020 18:07

Instrument :
MSVOA_V
ClientSampleId :
C0DH5

Tot Ion:	164	Resp:	10872
Ion	Ratio	Lower	Upper
164	100		
129	94.2	62.0	115.2
131	92.8	59.5	110.5
166	136.0	88.5	164.4

Manual Integrations
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#51

Chlorobenzene

Concen: 6973.190 ug/L m

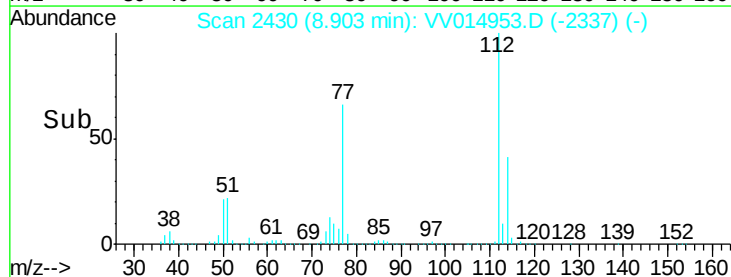
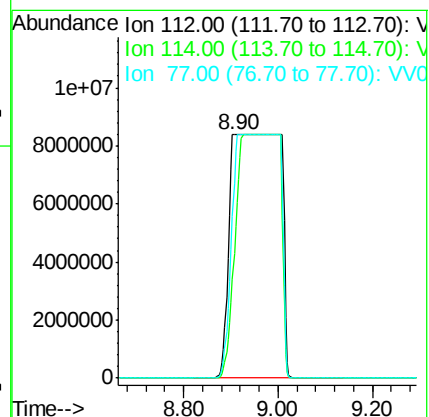
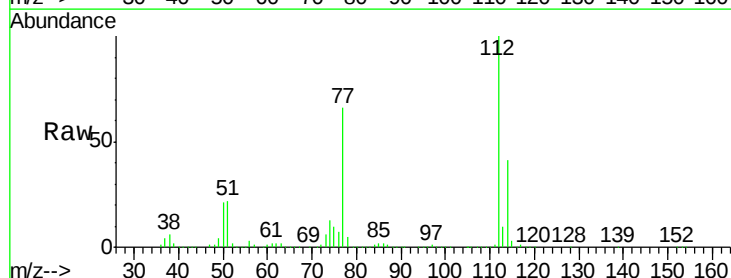
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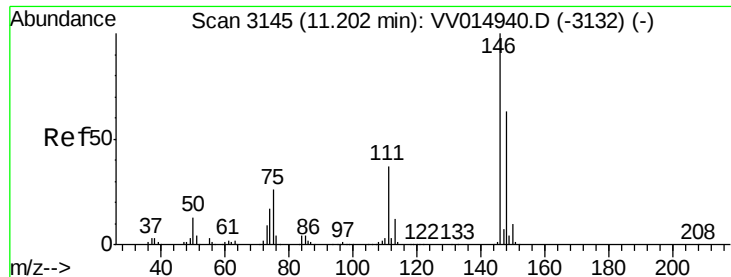
Delta R.T. 0.00 min

Lab File: VV014953.D

Acq: 16 Mar 2020 18:07

Tgt Ion:	112	Resp:	61187485
Ion	Ratio	Lower	Upper
112	100		
114	40.9	22.8	42.4
77	66.4	44.5	66.7





#62

1,3-Dichlorobenzene

Concen: 491.936 ug/L

RT: 11.21 min Scan# 3148

Delta R.T. 0.01 min

Lab File: VV014953.D

Acq: 16 Mar 2020 18:07

Instrument :

MSVOA_V

ClientSampled :

C0DH5

Tot Ion:146 Resp: 4448085

Ion Ratio Lower Upper

146 100

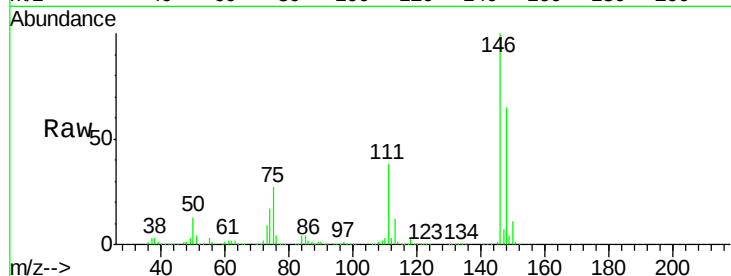
111 38.0 26.5 49.3

148 65.1 45.4 84.2

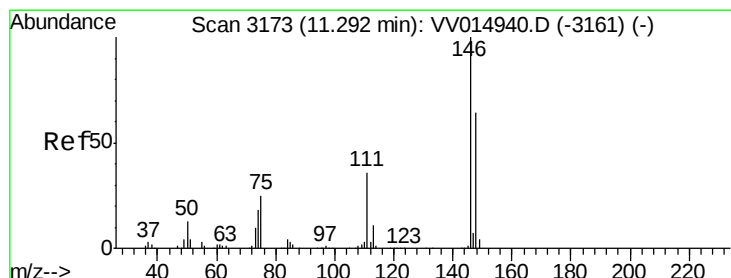
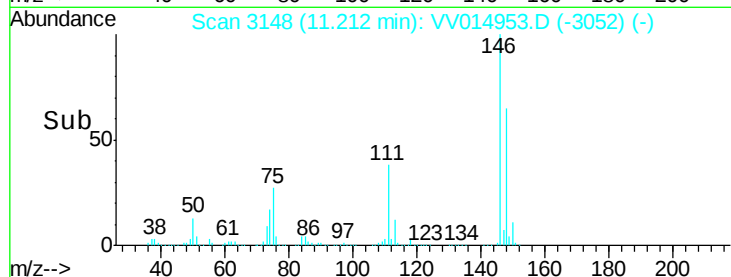
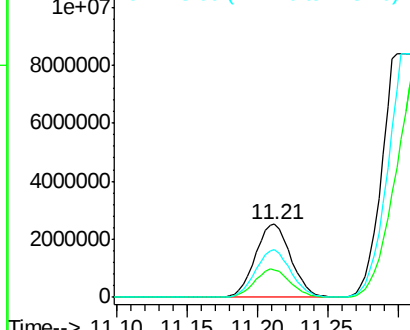
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 3812.177 ug/L m

RT: 11.30 min Scan# 3175

Delta R.T. 0.01 min

Lab File: VV014953.D

Acq: 16 Mar 2020 18:07

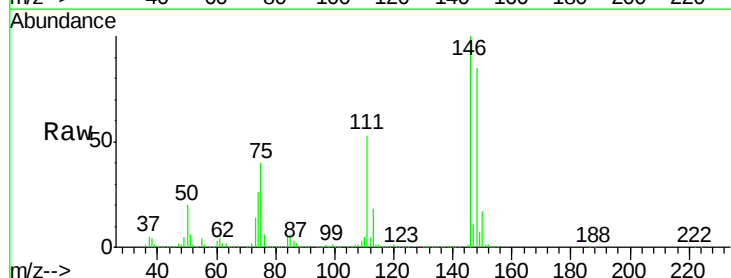
Tgt Ion:146 Resp:34722463

Ion Ratio Lower Upper

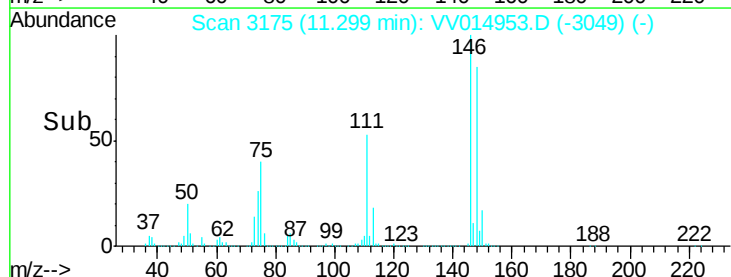
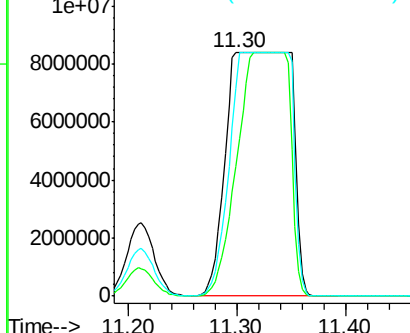
146 100

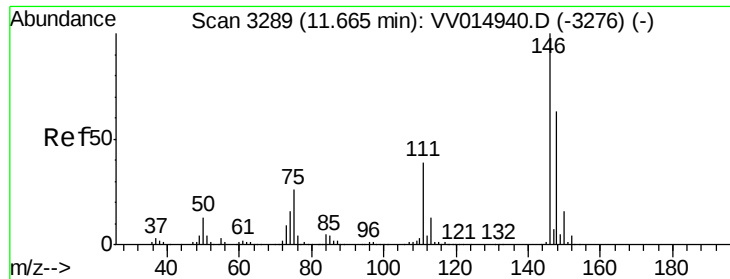
111 53.3 26.0 48.2#

148 85.2 46.1 85.5



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





#65

1,2-Dichlorobenzene

Concen: 3166.735 ug/L m

RT: 11.67 min Scan# 3291

Delta R.T. 0.01 min

Lab File: VV014953.D

Acq: 16 Mar 2020 18:07

Instrument :

MSVOA_V

ClientSampleId :

C0DH5

Tot Ion:146 Resp:28602415

Ion Ratio Lower Upper

146 100

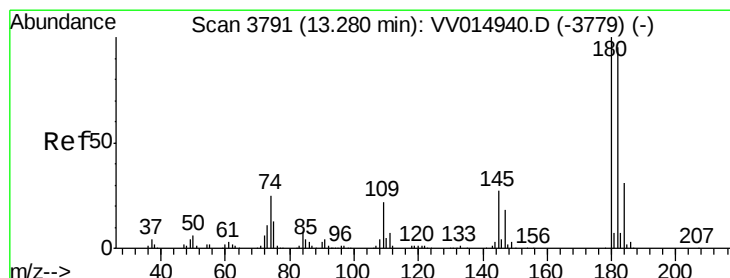
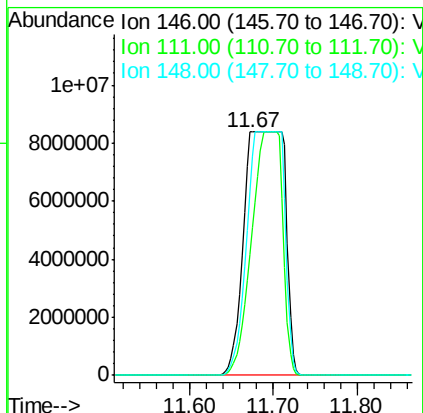
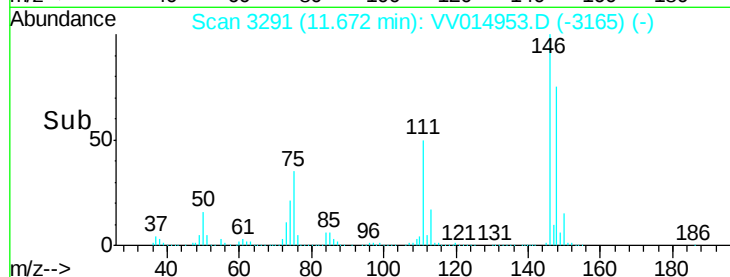
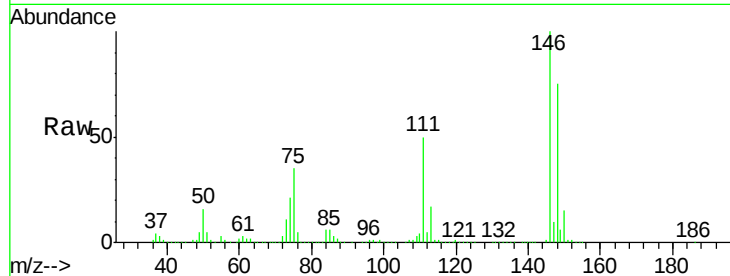
111 49.8 31.6 47.4#

148 75.2 52.2 78.4

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#68

1,2,4-trichlorobenzene

Concen: 732.715 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.01 min

Lab File: VV014953.D

Acq: 16 Mar 2020 18:07

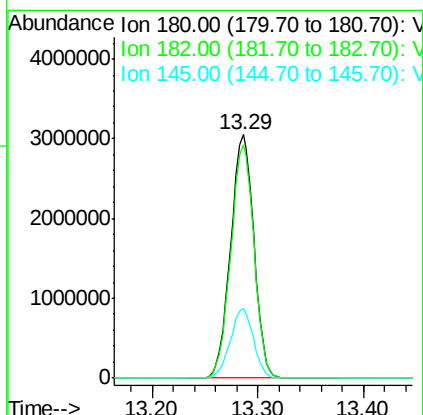
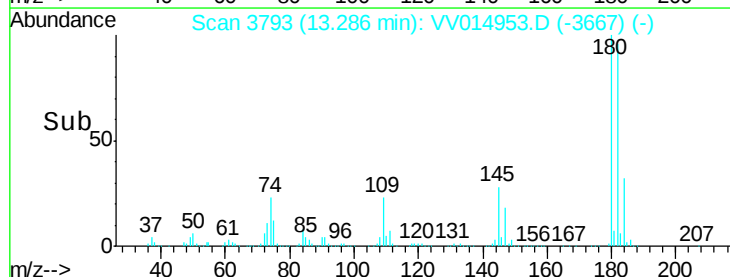
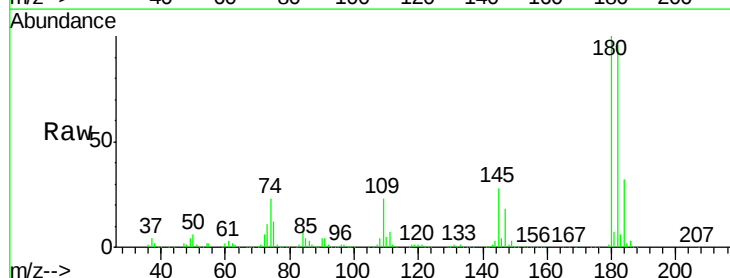
Tgt Ion:180 Resp: 4629826

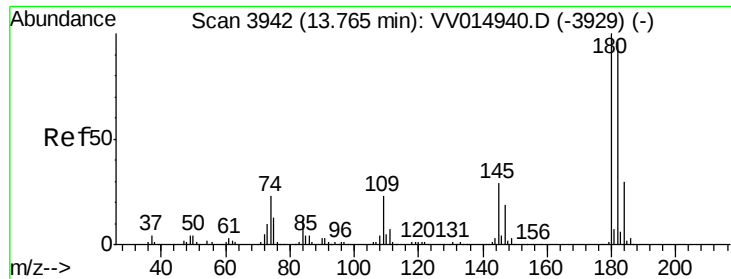
Ion Ratio Lower Upper

180 100

182 95.8 76.3 114.5

145 28.3 23.1 34.7





#70
 1,2,3-Trichlorobenzene
 Concen: 32.807 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VV014953.D
 Acq: 16 Mar 2020 18:07

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DH5

Tot Ion:	180	Resp:	205204
Ion Ratio	Lower	Upper	
180	100		
182	93.8	76.2	114.4
145	29.3	24.1	36.1

Manual Integrations
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