

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040220\
 Data File : VV015366.D
 Acq On : 02 Apr 2020 11:58
 Operator : SY/MD
 Sample : L2005-06RE
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 CODE8RE

Manual Integrations
 APPROVED

sam
 4/3/2020 5:49:53 PM

Quant Time: Apr 03 01:49:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 03 01:25:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	765977	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	736807	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	361904	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	218428	31.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	63.60%
7) Chloroethane-d5	1.58	69	195283	33.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	66.56%#
11) 1,1-Dichloroethene-d2	2.12	63	330441m	26.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.84%#
21) 2-Butanone-d5	3.94	46	259541	71.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	71.10%
24) Chloroform-d	4.37	84	406662	35.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	71.74%
26) 1,2-Dichloroethane-d4	5.06	65	260364	36.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.72%
32) Benzene-d6	5.07	84	849784	37.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.90%
36) 1,2-Dichloropropane-d6	6.09	67	250796	37.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	74.98%
41) Toluene-d8	7.33	98	835868	38.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.04%#
43) trans-1,3-Dichloropropene-	7.64	79	132229	35.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.54%
47) 2-Hexanone-d5	8.11	63	204890	67.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	67.06%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	358358	37.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	75.30%
64) 1,2-Dichlorobenzene-d4	11.65	152	326800	39.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.40%#

Target Compounds

					Ovalue
25) Chloroform	4.40	83	15817	1.532	ug/L 94
33) Benzene	5.13	78	107724	4.940	ug/L 100
51) Chlorobenzene	8.90	112	1225742	77.164	ug/L 99
62) 1,3-Dichlorobenzene	11.20	146	156339	12.832	ug/L 99
63) 1,4-Dichlorobenzene	11.30	146	673416	54.498	ug/L 98
65) 1,2-Dichlorobenzene	11.67	146	789916	63.566	ug/L 99
67) 1,3,5-Trichlorobenzene	12.67	180	6738	0.834	ug/L 97
68) 1,2,4-trichlorobenzene	13.29	180	1104280	149.723	ug/L 99
70) 1,2,3-Trichlorobenzene	13.77	180	422269	55.581	ug/L 100

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

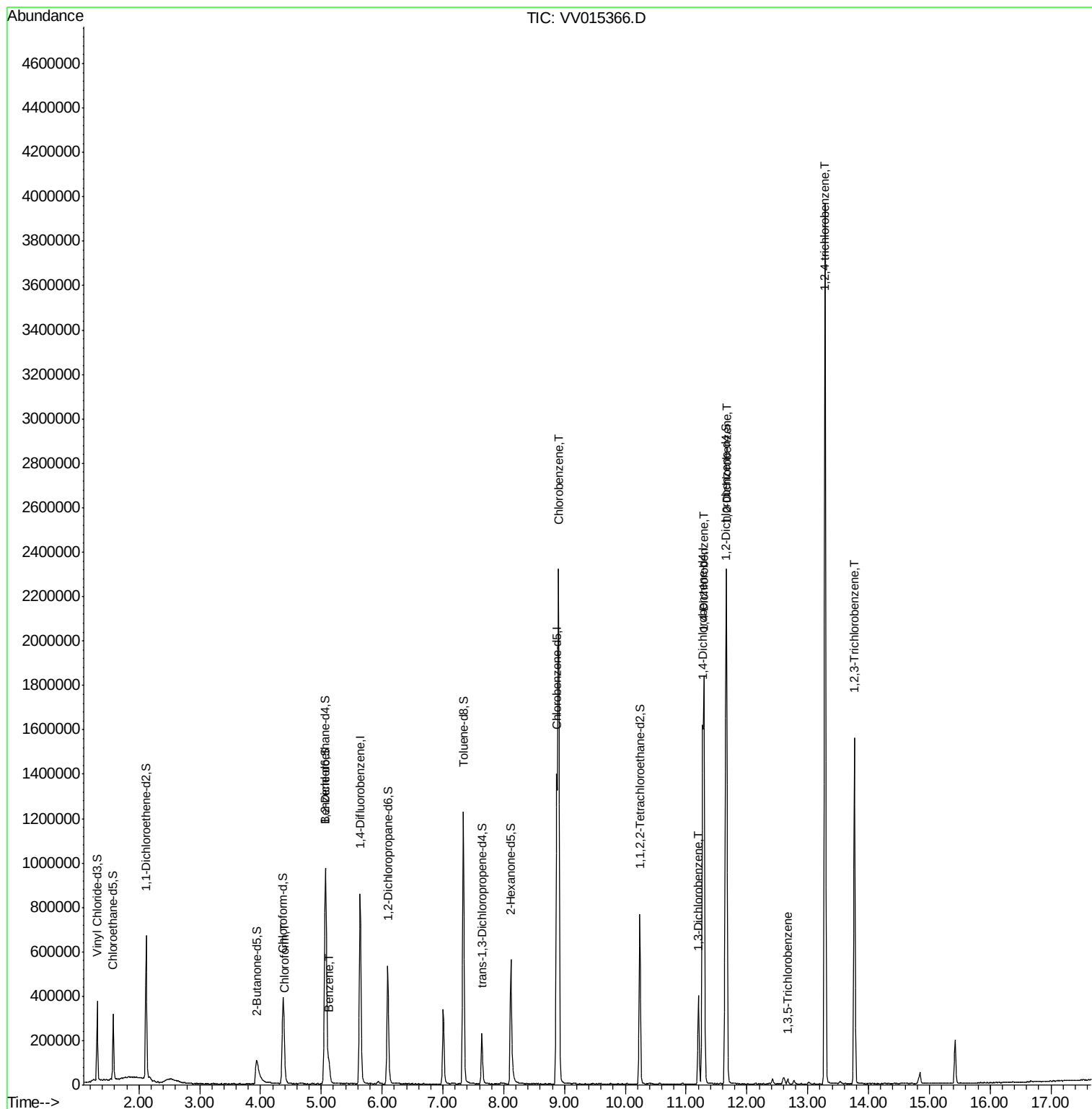
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040220\
Data File : VV015366.D
Acq On : 02 Apr 2020 11:58
Operator : SY/MD
Sample : L2005-06RE
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

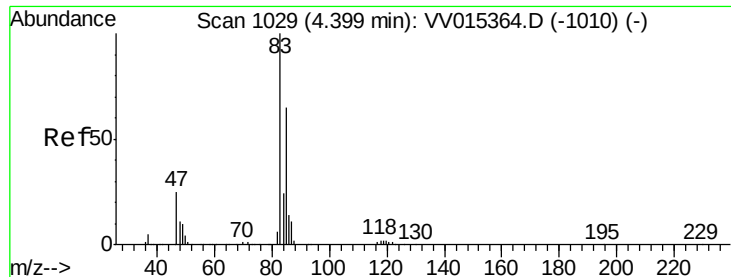
Instrument :
MSVOA_V
ClientSampleId :
CODE8RE

Manual Integrations
APPROVED

sam
4/3/2020 5:49:53 PM

Quant Time: Apr 03 01:49:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 03 01:25:45 2020
Response via : Initial Calibration





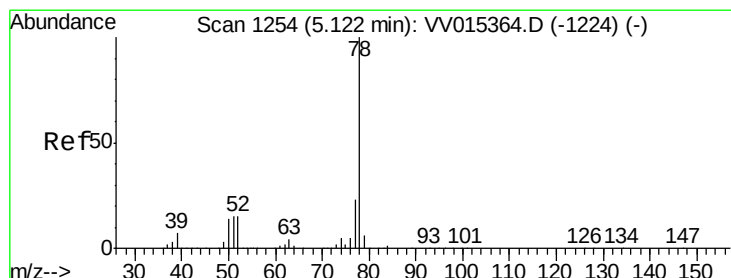
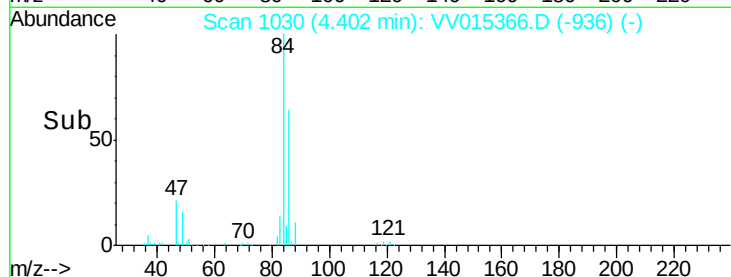
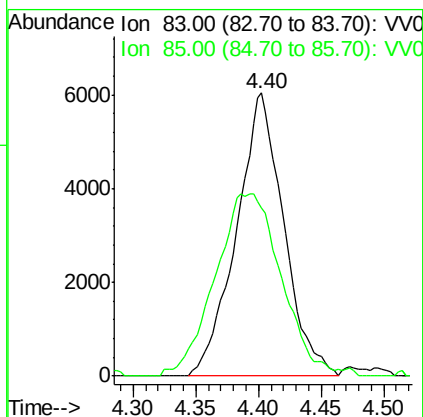
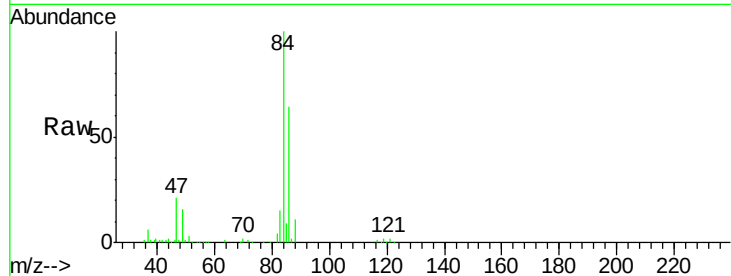
#25
Chloroform
Concen: 1.532 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015366.D
Acq: 02 Apr 2020 11:58

Instrument :
MSVOA_V
ClientSampleId :
CODE8RE

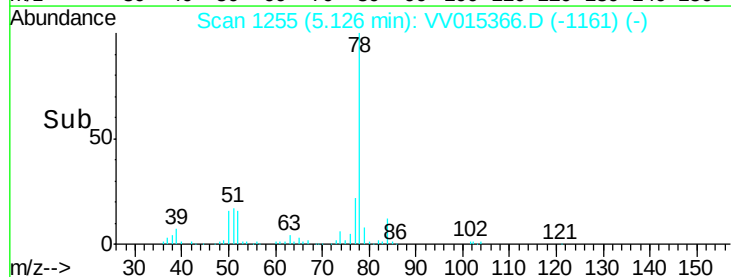
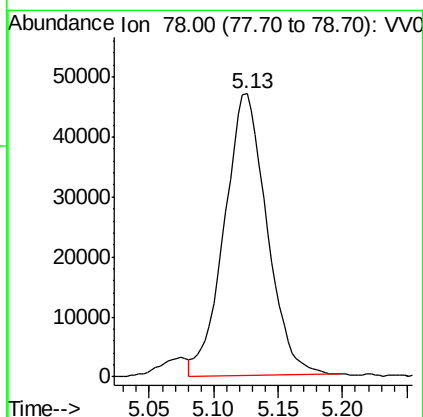
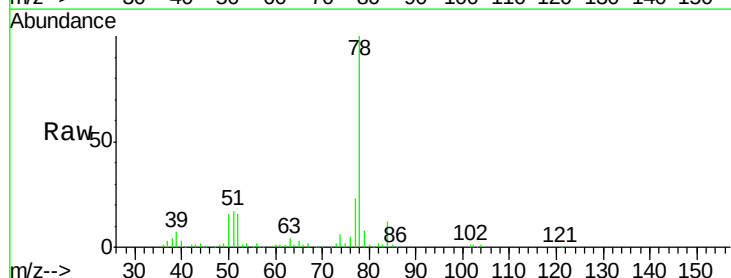
Tot Ion: 83 Resp: 15817
Ion Ratio Lower Upper
83 100
85 59.6 45.1 83.9

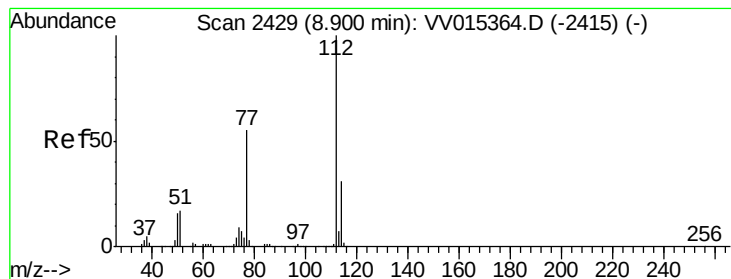
Manual Integrations
APPROVED

sam
4/3/2020 5:49:53 PM



#33
Benzene
Concen: 4.940 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV015366.D
Acq: 02 Apr 2020 11:58
Tgt Ion: 78 Resp: 107724





#51

Chlorobenzene

Concen: 77.164 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VV015366.D

Acq: 02 Apr 2020 11:58

Instrument :

MSVOA_V

ClientSampleId :

CODE8RE

Tot Ion:112 Resp: 1225742

Ion Ratio Lower Upper

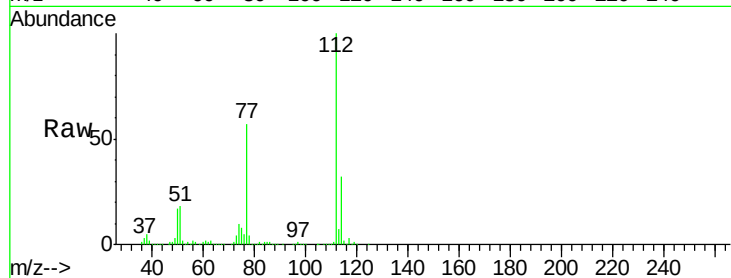
112 100

114 32.3 21.8 40.4

77 57.0 46.2 69.2

Manual Integrations
APPROVED

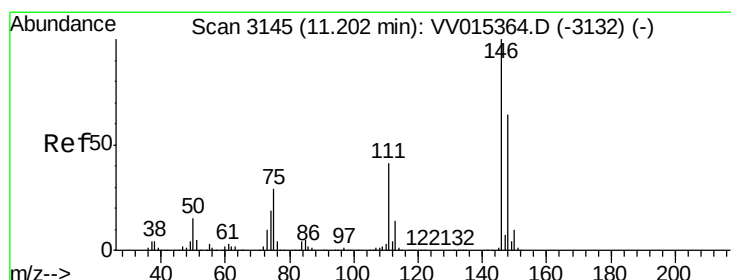
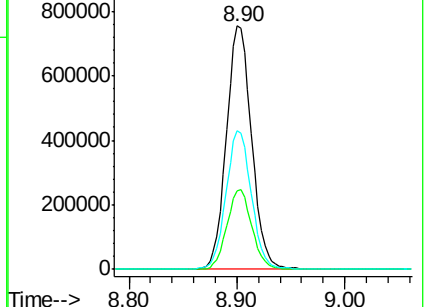
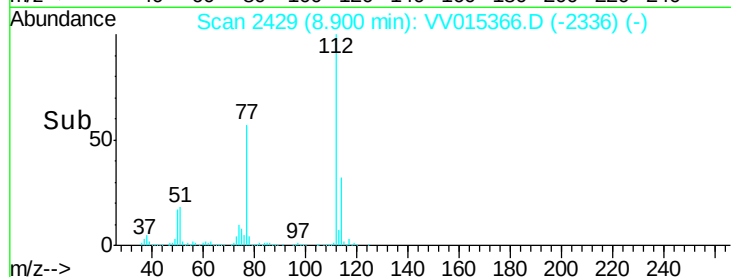
sam
4/3/2020 5:49:53 PM



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): V



#62

1,3-Dichlorobenzene

Concen: 12.832 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015366.D

Acq: 02 Apr 2020 11:58

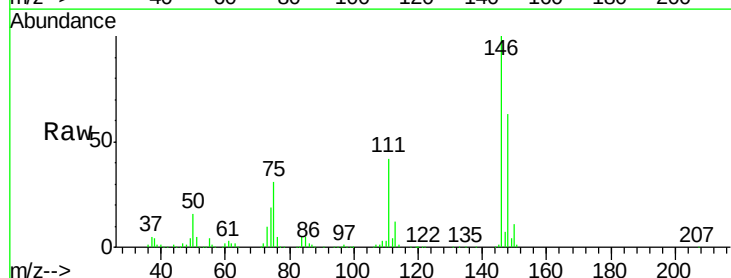
Tgt Ion:146 Resp: 156339

Ion Ratio Lower Upper

146 100

111 42.3 30.2 56.2

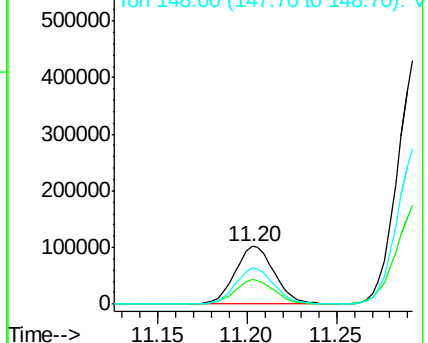
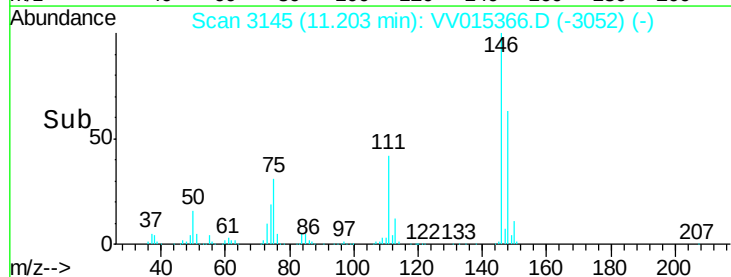
148 62.7 44.7 83.1

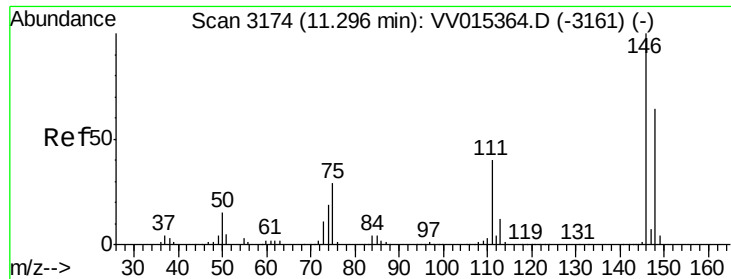


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 54.498 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015366.D

Acq: 02 Apr 2020 11:58

Instrument :

MSVOA_V

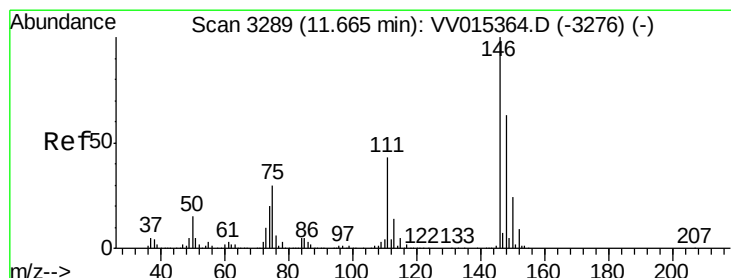
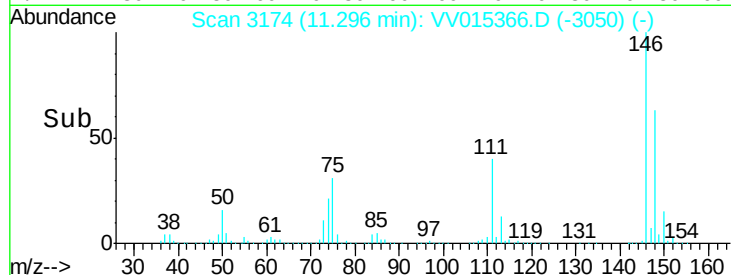
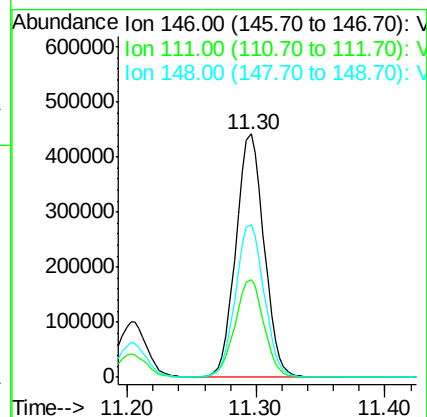
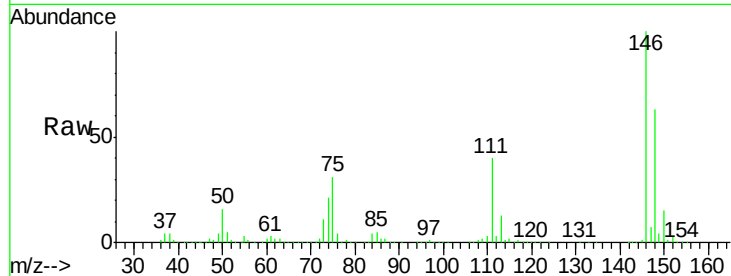
ClientSampled :

CODE8RE

Tot Ion:	146	Resp:	673416
Ion Ratio	Lower	Upper	
146	100		
111	40.4	29.3	54.5
148	62.9	44.7	82.9

Manual Integrations
APPROVED

sam
4/3/2020 5:49:53 PM



#65

1,2-Dichlorobenzene

Concen: 63.566 ug/L

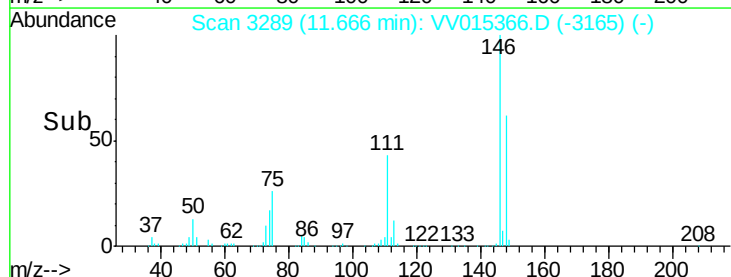
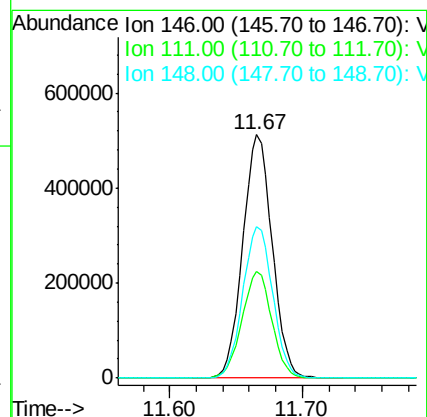
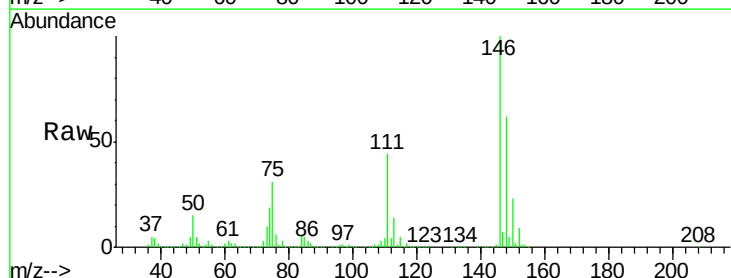
RT: 11.67 min Scan# 3289

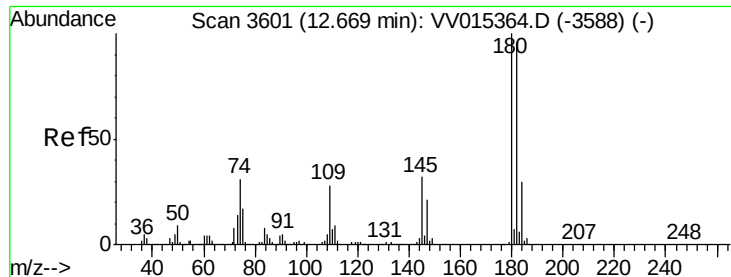
Delta R.T. 0.00 min

Lab File: VV015366.D

Acq: 02 Apr 2020 11:58

Tgt Ion:	146	Resp:	789916
Ion Ratio	Lower	Upper	
146	100		
111	43.8	35.1	52.7
148	62.3	51.0	76.4





#67

1,3,5-Trichlorobenzene

Concen: 0.834 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VV015366.D

Acq: 02 Apr 2020 11:58

Instrument :

MSVOA_V

ClientSampleId :

CODE8RE

Tot Ion:180 Resp: 6738

Ion Ratio Lower Upper

180 100

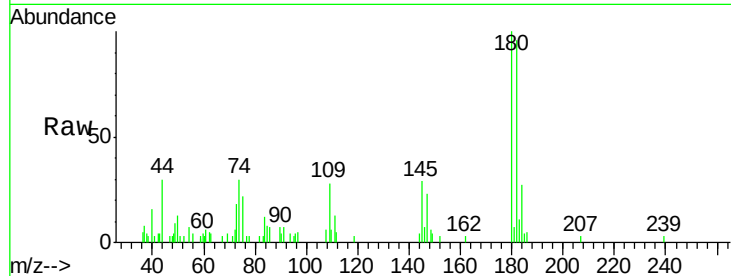
182 93.3 74.7 112.1

184 26.8 23.7 35.5

145 29.0 26.8 40.2

Manual Integrations
APPROVED

sam
4/3/2020 5:49:53 PM

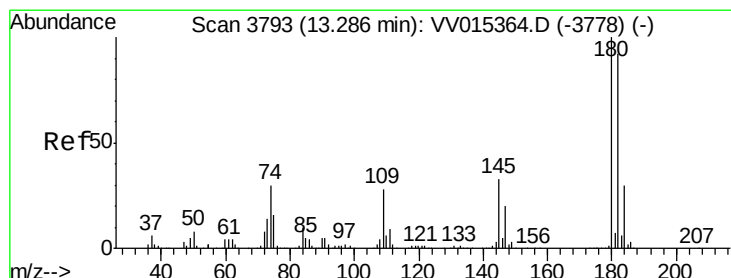
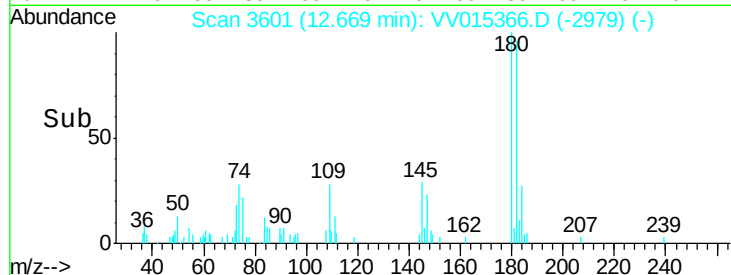
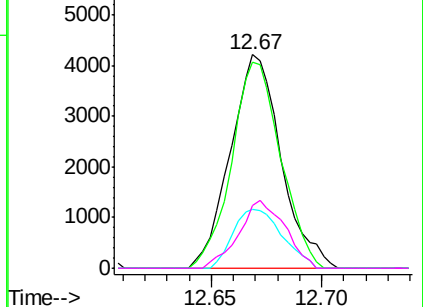


Abundance Ion 180.00 (179.70 to 180.70): V

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: 149.723 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.00 min

Lab File: VV015366.D

Acq: 02 Apr 2020 11:58

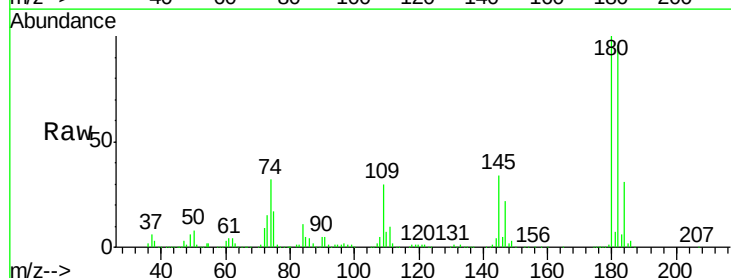
Tgt Ion:180 Resp: 1104280

Ion Ratio Lower Upper

180 100

182 95.4 75.8 113.8

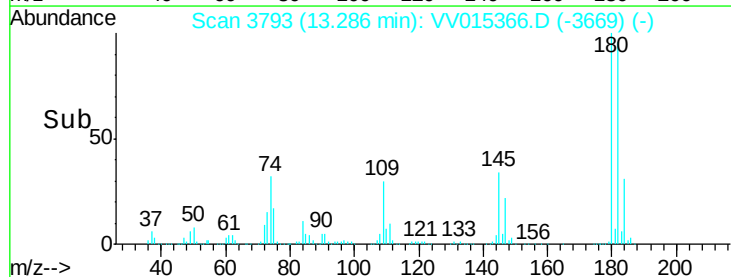
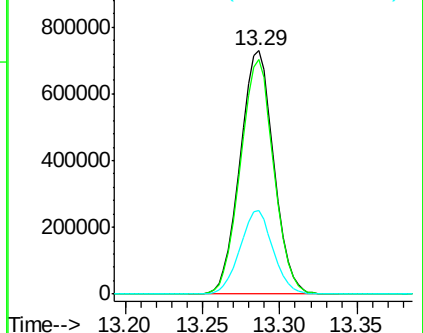
145 33.7 27.7 41.5

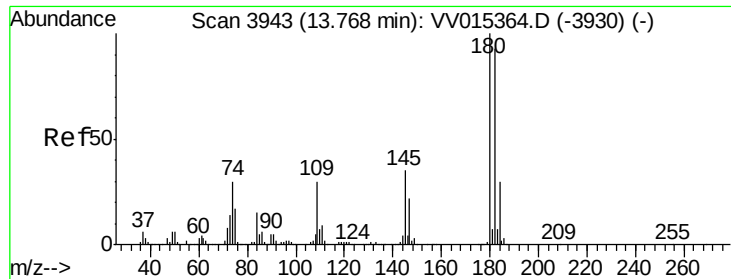


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 55.581 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV015366.D
 Acq: 02 Apr 2020 11:58

Instrument :
 MSVOA_V
 ClientSampleId :
 CODE8RE

Tot Ion:	180	Resp:	422269
Ion Ratio	Lower	Upper	
180	100		
182	95.3	76.1	114.1
145	36.1	28.2	42.4

Manual Integrations
 APPROVED

sam
 4/3/2020 5:49:53 PM

