

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040220\
 Data File : VV015369.D
 Acq On : 02 Apr 2020 13:11
 Operator : SY/MD
 Sample : L2005-01 50X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 03 01:32:53 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	728963	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	699690	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	339390	50.00	ug/L	0.00

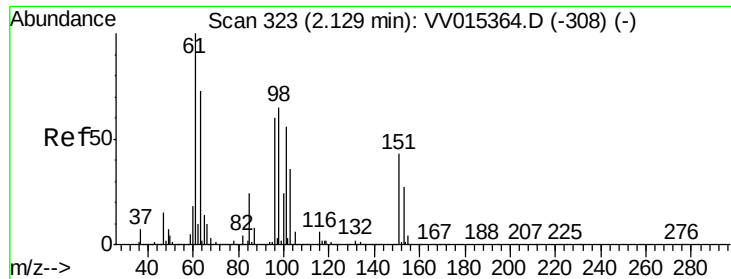
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	230198	35.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.44%
7) Chloroethane-d5	1.58	69	213147	38.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.34%
11) 1,1-Dichloroethene-d2	2.12	63	356113	30.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.96%
21) 2-Butanone-d5	3.94	46	310667	89.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.43%
24) Chloroform-d	4.38	84	433862	40.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.42%
26) 1,2-Dichloroethane-d4	5.06	65	288899	42.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.96%
32) Benzene-d6	5.07	84	915794	42.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.00%
36) 1,2-Dichloropropane-d6	6.09	67	270851	42.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.26%
41) Toluene-d8	7.34	98	889988	43.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.38%
43) trans-1,3-Dichloropropene-	7.64	79	142695	40.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.30%
47) 2-Hexanone-d5	8.12	63	244312	84.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.20%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	389905	43.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.26%
64) 1,2-Dichlorobenzene-d4	11.65	152	339178	43.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.86%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	3664	0.666	ug/L #	24
25) Chloroform	4.40	83	14703	1.496	ug/L	85
33) Benzene	5.13	78	670043	32.354	ug/L	100
51) Chlorobenzene	8.90	112	2489004	165.003	ug/L	97
62) 1,3-Dichlorobenzene	11.21	146	117715	10.303	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	860432	74.252	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	1042309	89.440	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.42	75	2603	1.131	ug/L #	8
67) 1,3,5-Trichlorobenzene	13.29	180	319029	42.132	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	319029	46.125	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	88969	12.487	ug/L	100

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



#10

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

Concen: 0.666 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV015369.D

Acq: 02 Apr 2020 13:11

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MSVOA_V

ClientSampleId :

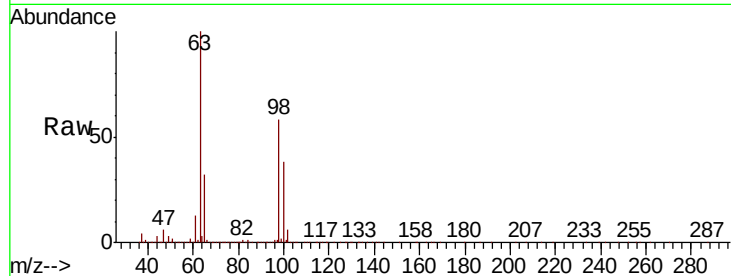
Tot Ion:101 Resp: 3664

Ion Ratio Lower Upper

101 100

85 0.9 36.1 54.1#

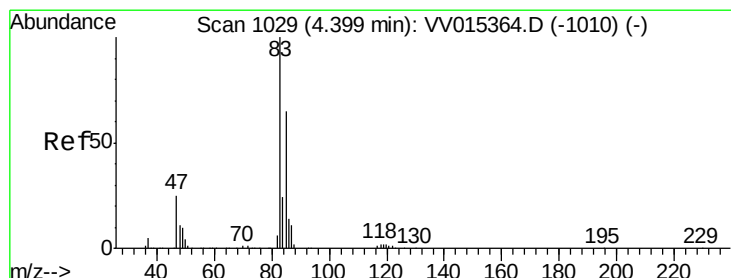
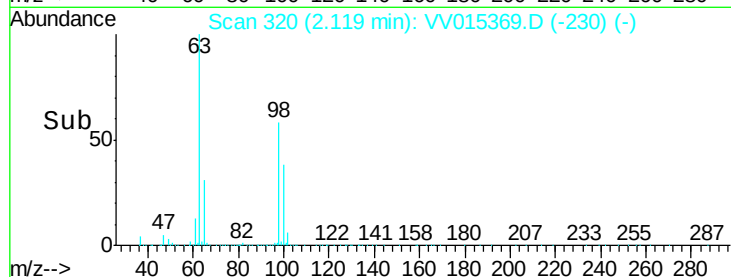
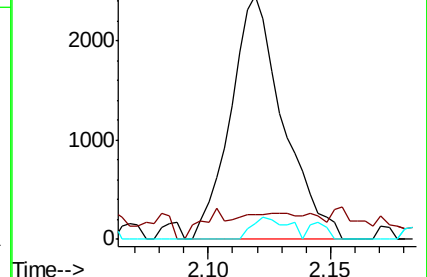
151 5.0 58.2 87.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#25

Chloroform

Concen: 1.496 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV015369.D

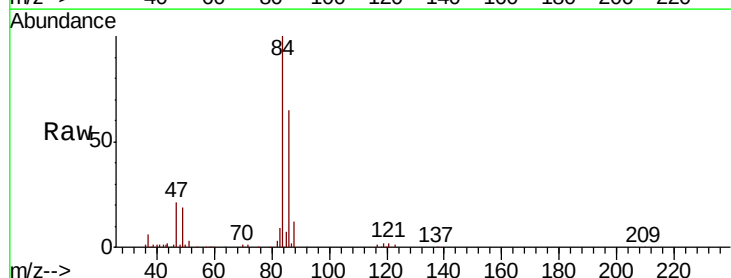
Acq: 02 Apr 2020 13:11

Tgt Ion: 83 Resp: 14703

Ion Ratio Lower Upper

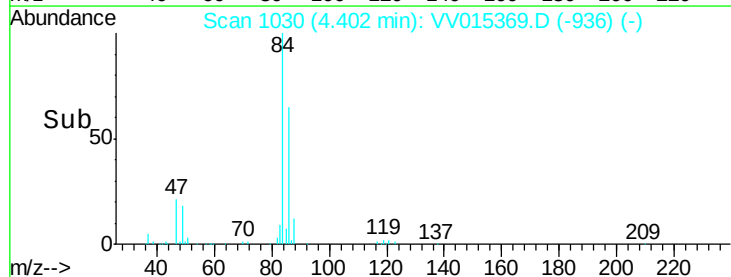
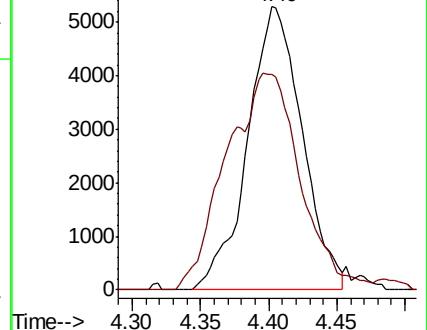
83 100

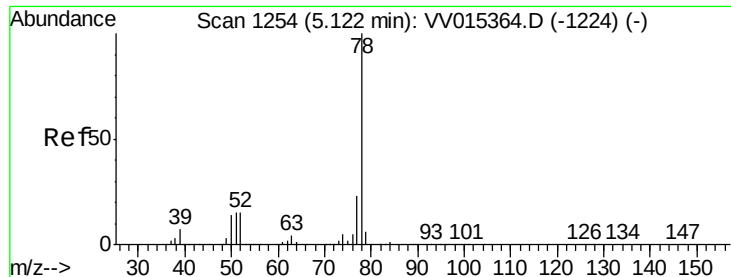
85 76.4 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#33

Benzene

Concen: 32.354 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV015369.D

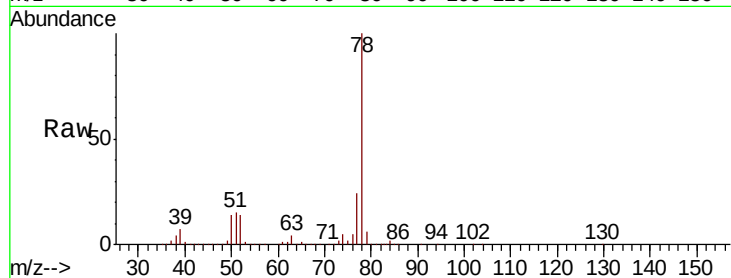
Acq: 02 Apr 2020 13:11

Instrument :

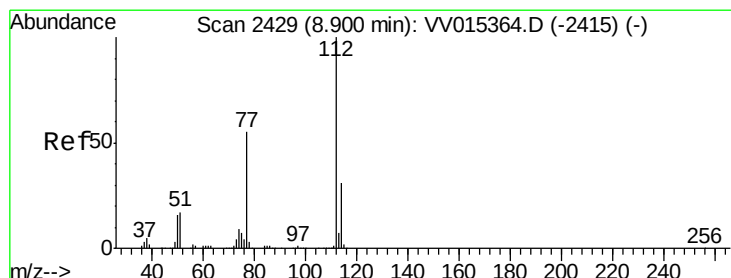
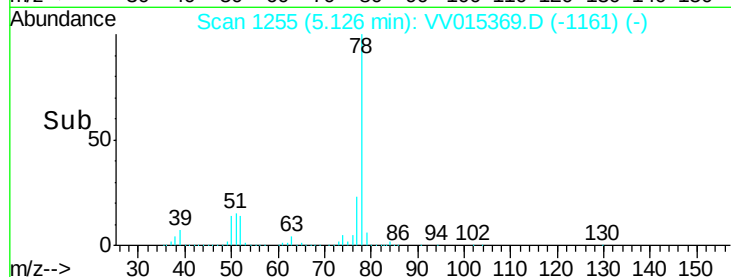
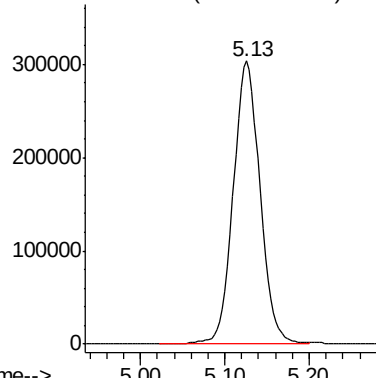
MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 670043



Abundance Ion 78.00 (77.70 to 78.70): VV0



#51

Chlorobenzene

Concen: 165.003 ug/L

RT: 8.90 min Scan# 2430

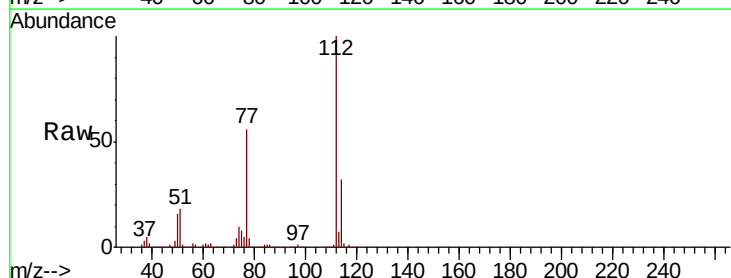
Delta R.T. 0.00 min

Lab File: VV015369.D

Acq: 02 Apr 2020 13:11

Tgt Ion: 112 Resp: 2489004

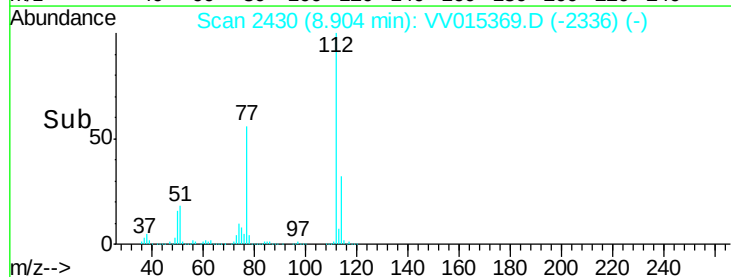
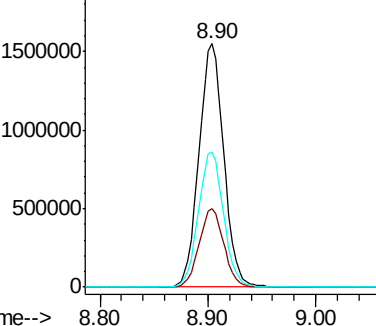
Ion	Ratio	Lower	Upper
112	100		
114	32.1	21.8	40.4
77	55.5	46.2	69.2

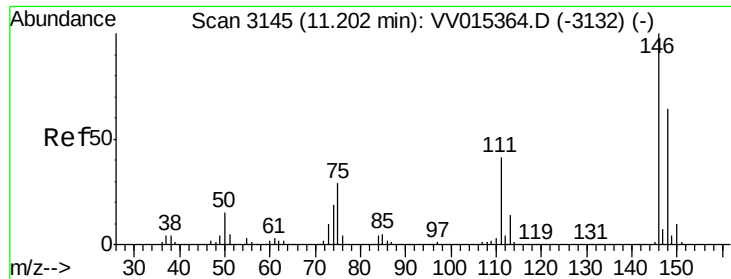


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0

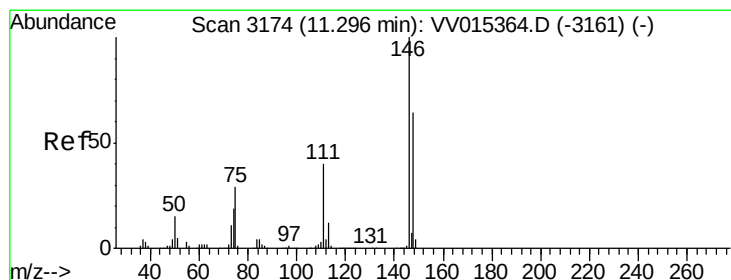
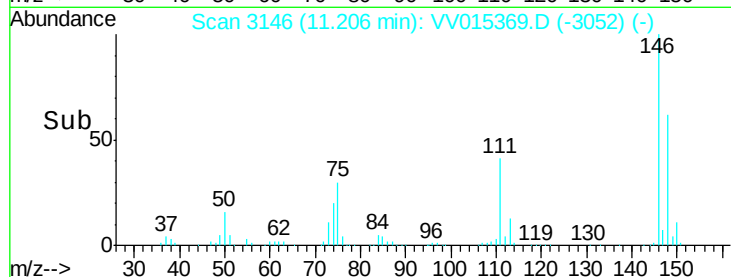
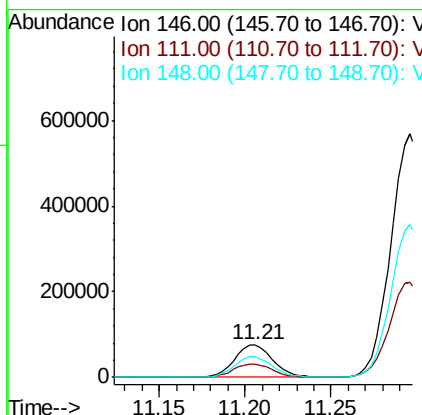
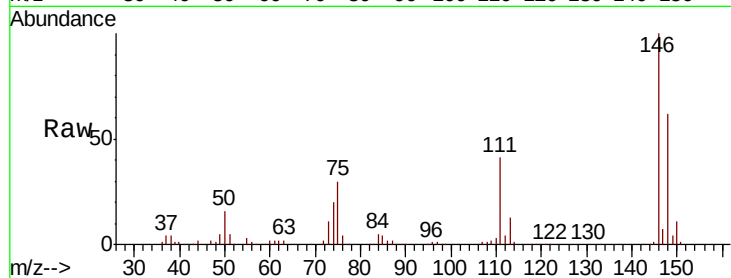




#62
 1,3-Dichlorobenzene
 Concen: 10.303 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV015369.D
 Acq: 02 Apr 2020 13:11

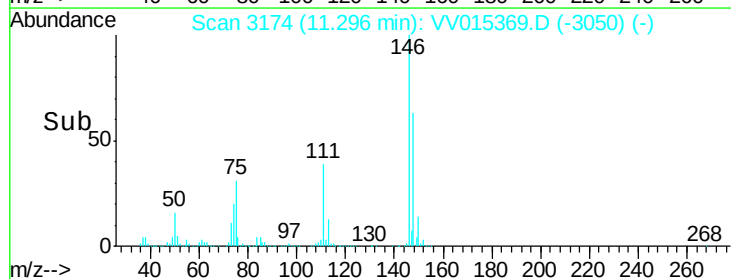
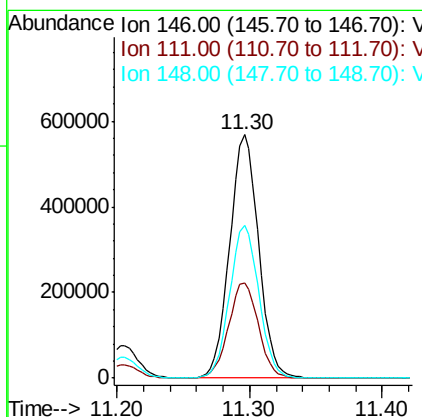
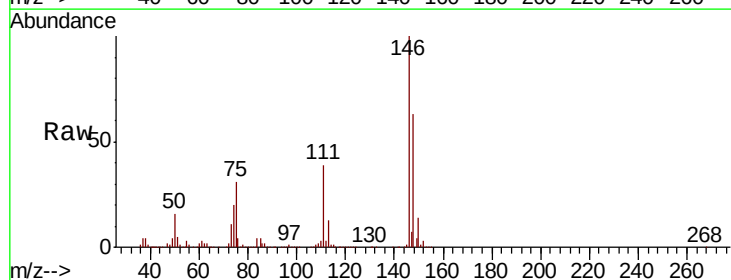
Instrument :
 MSVOA_V
 ClientSampleId :

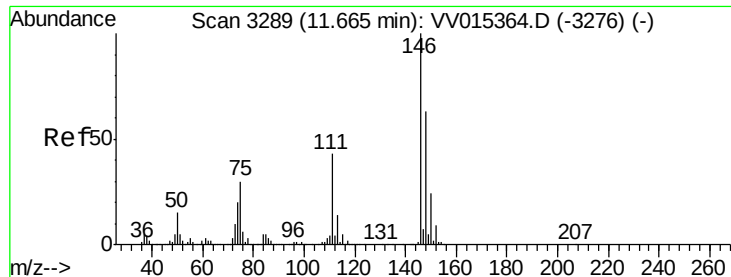
Tot Ion:146 Resp: 117715
 Ion Ratio Lower Upper
 146 100
 111 40.8 30.2 56.2
 148 62.0 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 74.252 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV015369.D
 Acq: 02 Apr 2020 13:11

Tgt Ion:146 Resp: 860432
 Ion Ratio Lower Upper
 146 100
 111 39.2 29.3 54.5
 148 62.7 44.7 82.9

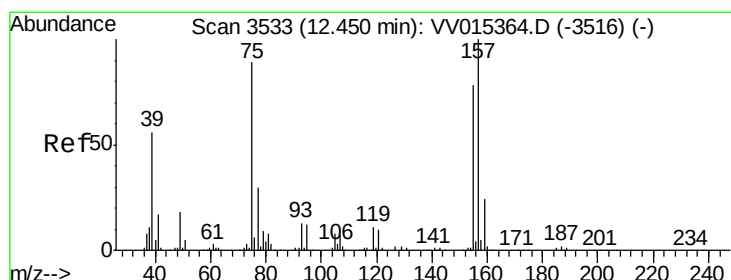
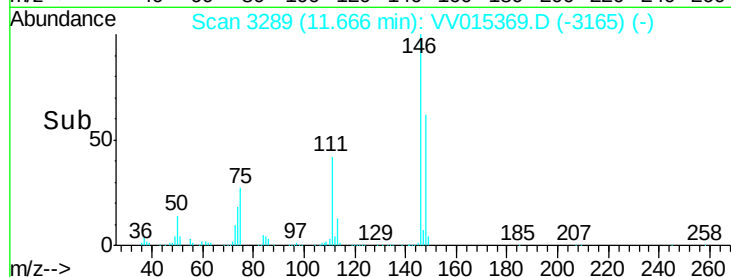
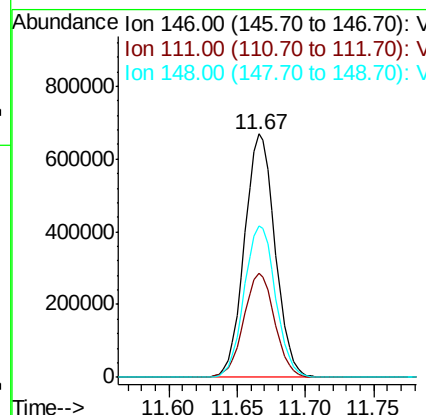
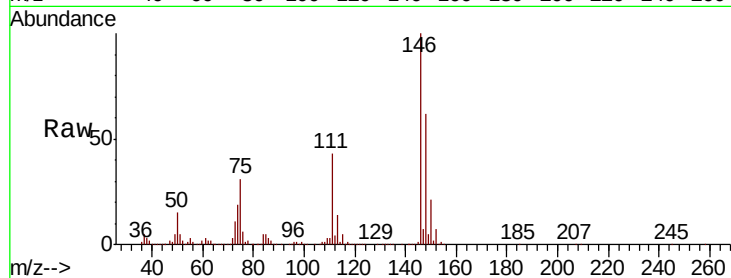




#65
 1,2-Dichlorobenzene
 Concen: 89.440 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015369.D
 Acq: 02 Apr 2020 13:11

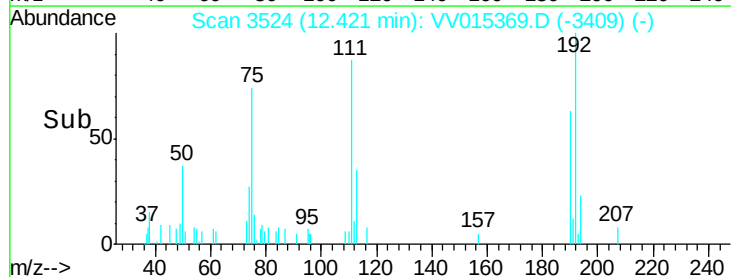
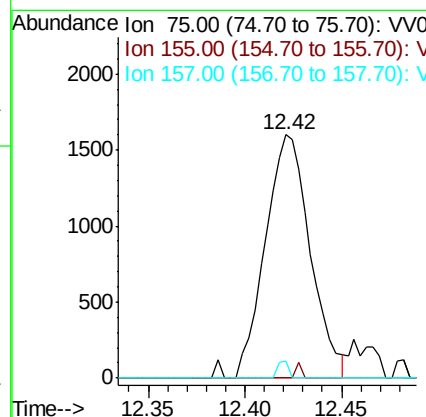
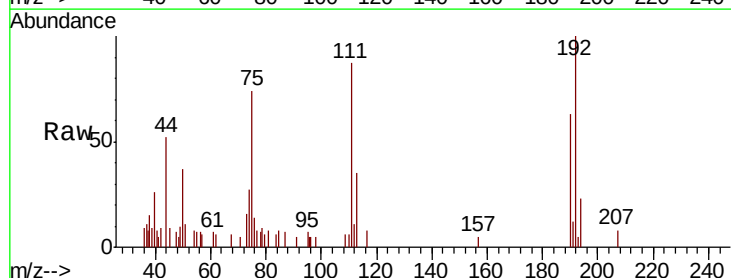
Instrument :
 MSVOA_V
 ClientSampleId :

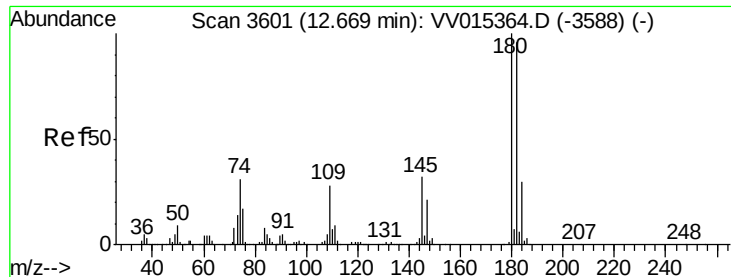
Tot Ion:146 Resp: 1042309
 Ion Ratio Lower Upper
 146 100
 111 42.8 35.1 52.7
 148 62.3 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.131 ug/L
 RT: 12.42 min Scan# 3524
 Delta R.T. -0.03 min
 Lab File: VV015369.D
 Acq: 02 Apr 2020 13:11

Tgt Ion: 75 Resp: 2603
 Ion Ratio Lower Upper
 75 100
 155 0.0 64.5 96.7#
 157 6.9 79.8 119.6#

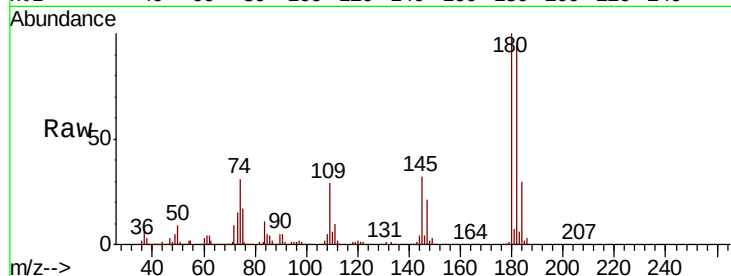




#67
 1,3,5-Trichlorobenzene
 Concen: 42.132 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV015369.D
 Acq: 02 Apr 2020 13:11

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	74.7	112.1
184	30.4	23.7	35.5
145	33.2	26.8	40.2



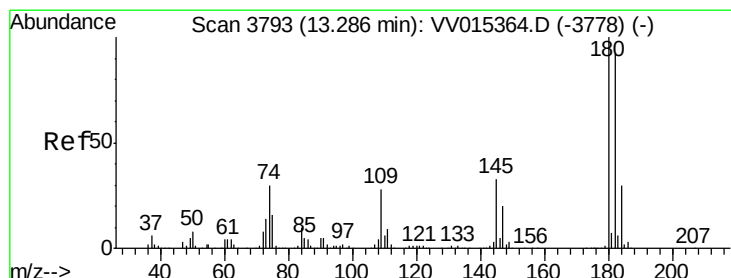
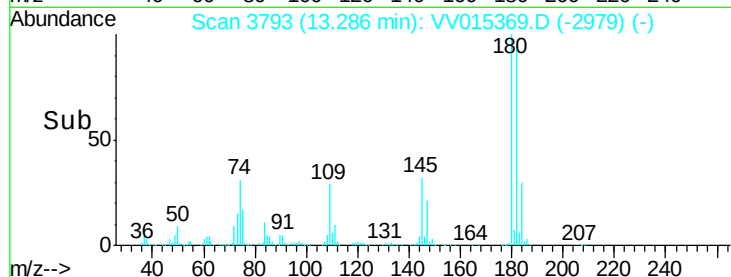
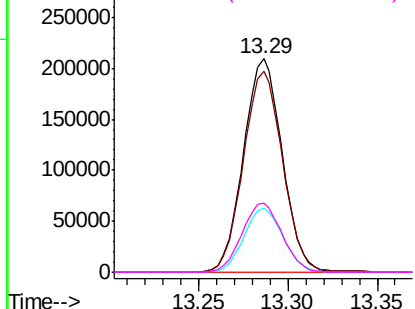
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

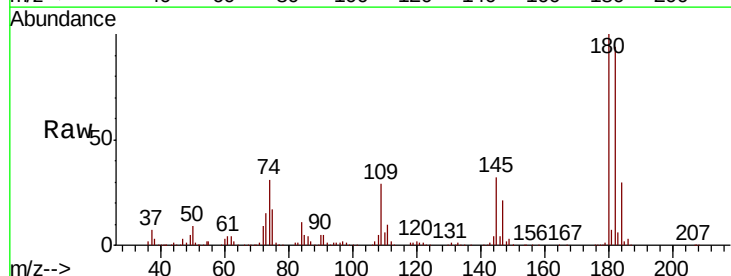
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 46.125 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015369.D
 Acq: 02 Apr 2020 13:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.8	113.8
145	33.2	27.7	41.5

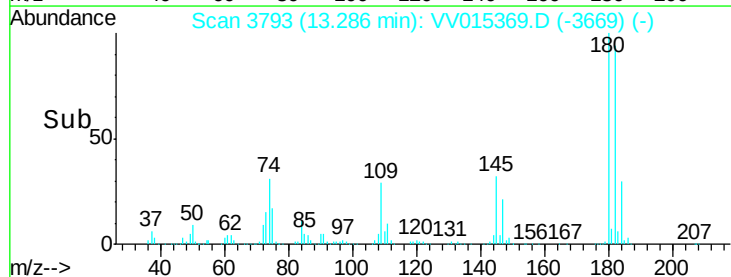
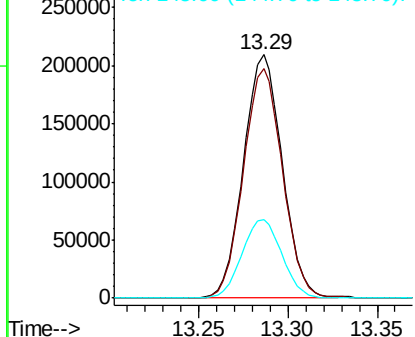


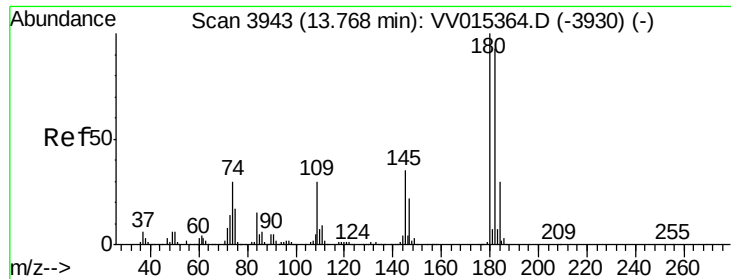
Abundance

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: 12.487 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VV015369.D
 Acq: 02 Apr 2020 13:11

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.1	114.1
145	35.4	28.2	42.4

