

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032620\
 Data File : VV015179.D
 Acq On : 26 Mar 2020 20:59
 Operator : SY/MD
 Sample : L1941-18RE
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 27 03:39:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 27 03:08:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	648577	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	629961	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	277091	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	157008	45.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.24%
7) Chloroethane-d5	1.66	69	142	0.04	ug/L	0.08
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.08%#
11) 1,1-Dichloroethene-d2	2.12	63	255490	32.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.40%
21) 2-Butanone-d5	3.94	46	234690	67.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	67.74%
24) Chloroform-d	4.38	84	289817	38.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.00%
26) 1,2-Dichloroethane-d4	5.06	65	196898	39.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.22%
32) Benzene-d6	5.08	84	567201	43.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.54%
36) 1,2-Dichloropropane-d6	6.10	67	191914	41.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.12%
41) Toluene-d8	7.34	98	530327	45.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.32%
43) trans-1,3-Dichloropropene-	7.64	79	97499	38.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.60%
47) 2-Hexanone-d5	8.12	63	189642	69.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	69.39%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	277899	35.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	70.02%
64) 1,2-Dichlorobenzene-d4	11.65	152	204774	39.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.16%#

Target Compounds

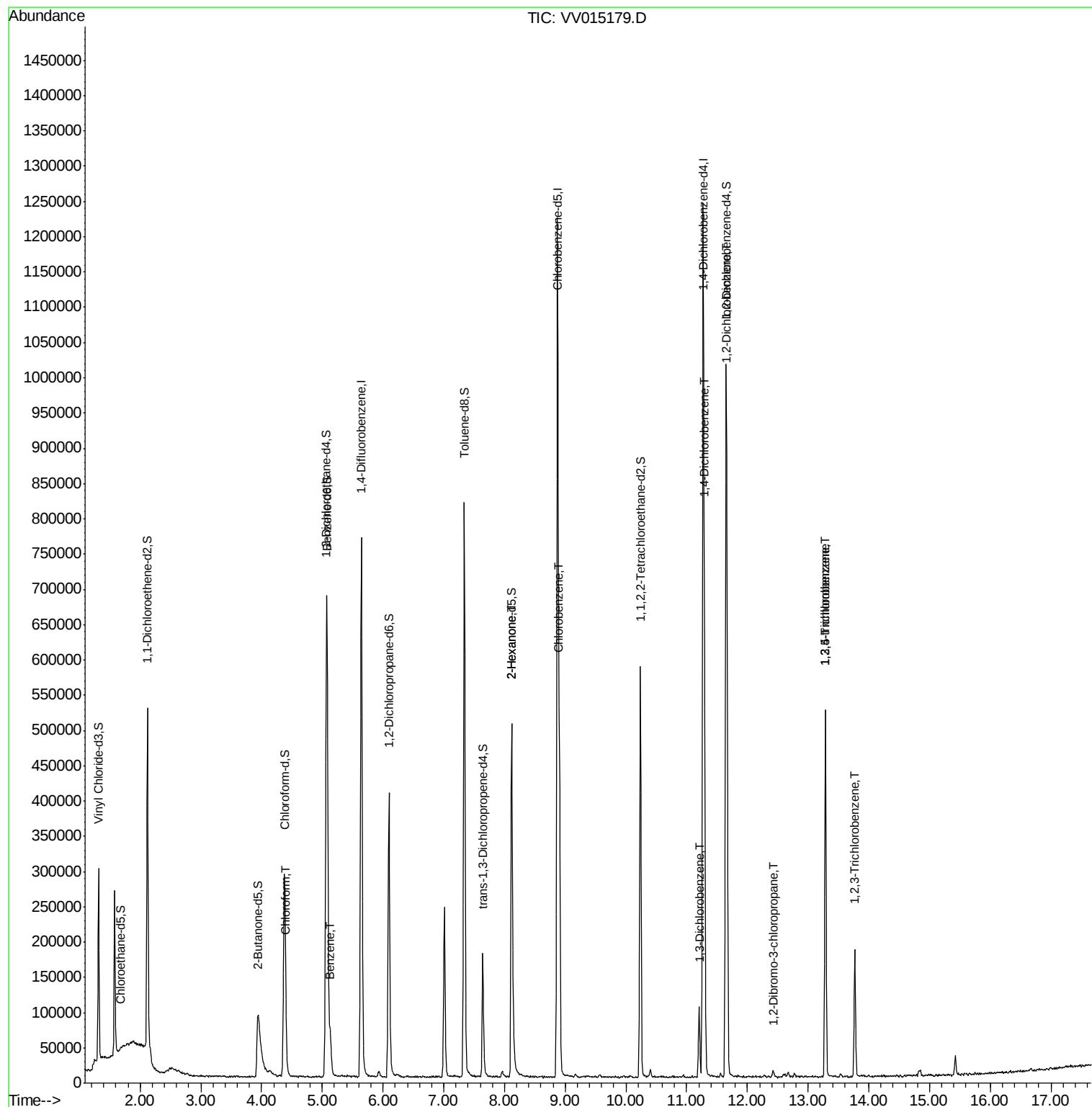
					Ovalue
25) Chloroform	4.41	83	9366	1.083	ug/L 98
33) Benzene	5.13	78	62542	3.335	ug/L 100
48) 2-Hexanone	8.12	43	23115	4.048	ug/L # 64
51) Chlorobenzene	8.90	112	248331	18.581	ug/L 98
62) 1,3-Dichlorobenzene	11.21	146	35933	3.868	ug/L 94
63) 1,4-Dichlorobenzene	11.30	146	186459	19.867	ug/L 97
65) 1,2-Dichlorobenzene	11.67	146	191347	20.314	ug/L 95
66) 1,2-Dibromo-3-chloropropan	12.42	75	1991	0.951	ug/L # 6
67) 1,3,5-Trichlorobenzene	13.29	180	133756	22.499	ug/L 100
68) 1,2,4-trichlorobenzene	13.29	180	133756	23.588	ug/L 99
70) 1,2,3-Trichlorobenzene	13.77	180	44971	7.920	ug/L 99

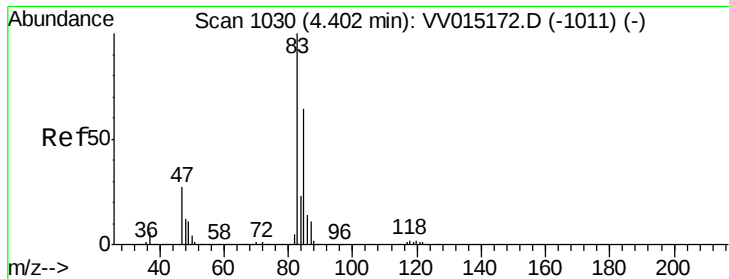
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV032620\
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ALS Vial : 1 Sample Multiplier: 1

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ClientSampleId :

Quant Time: Mar 27 03:39:51 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032620WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 27 03:08:32 2020
Response via : Initial Calibration

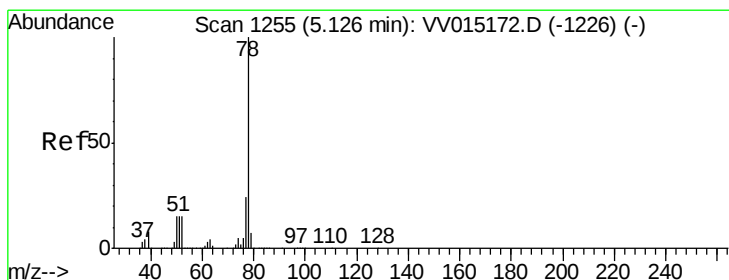
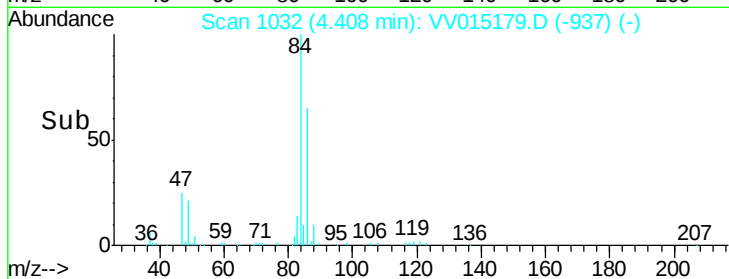
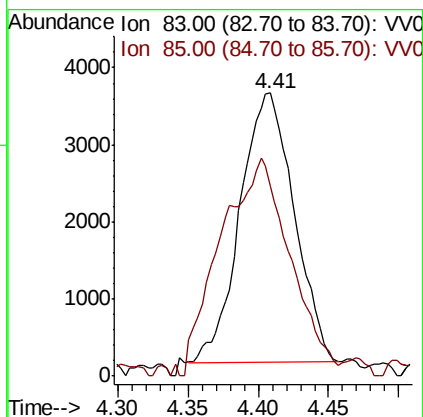
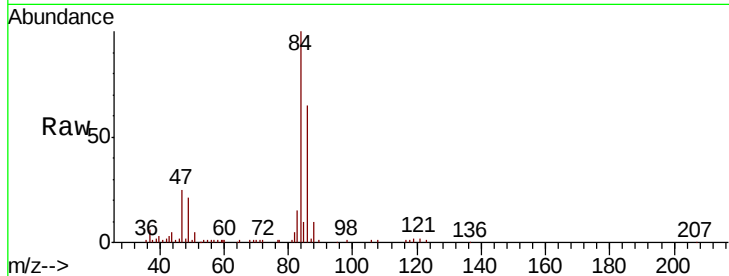




#25
Chloroform
Concen: 1.083 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV015179.D
Acq: 26 Mar 2020 20:59

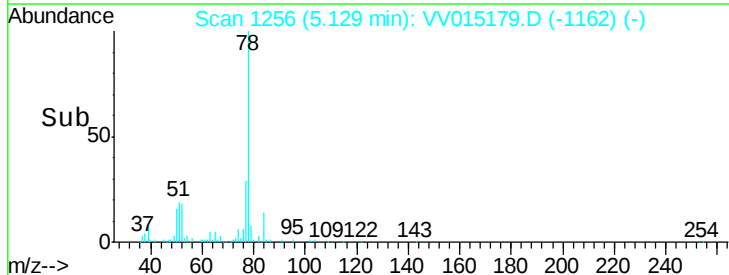
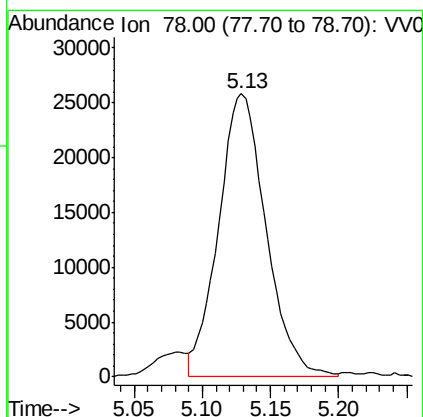
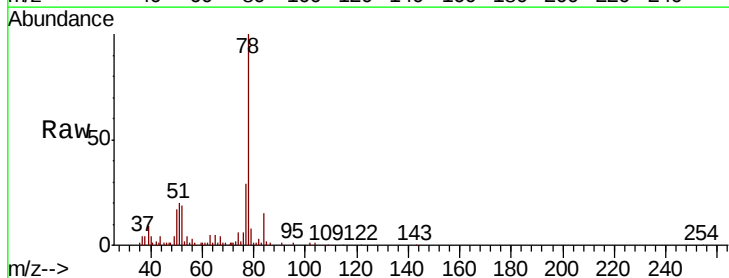
Instrument :
MSVOA_V
ClientSampleId :

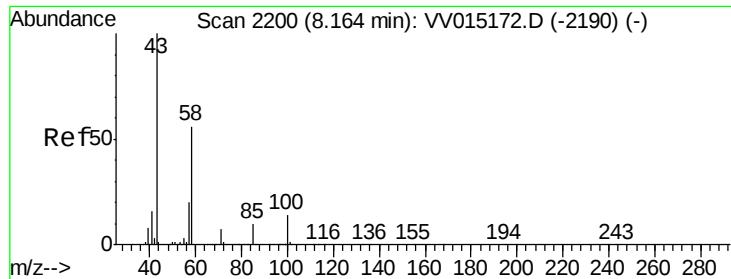
Tot Ion: 83 Resp: 9366
Ion Ratio Lower Upper
83 100
85 67.3 46.2 85.8



#33
Benzene
Concen: 3.335 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VV015179.D
Acq: 26 Mar 2020 20:59

Tgt Ion: 78 Resp: 62542

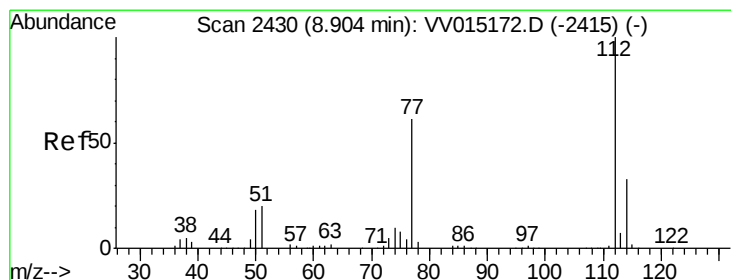
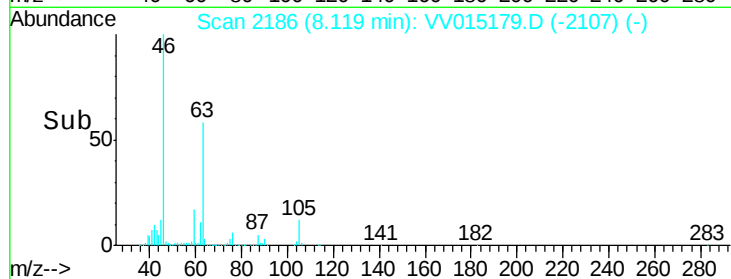
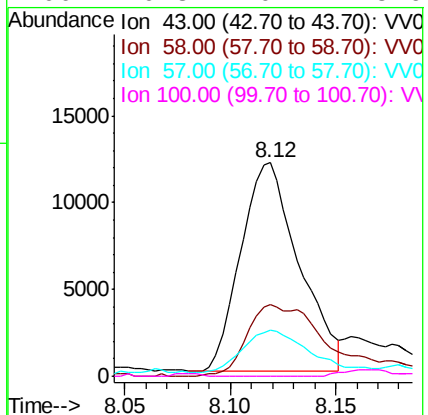
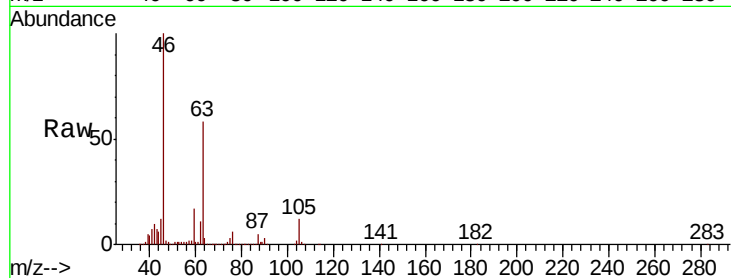




#48
2-Hexanone
Concen: 4.048 ug/L
RT: 8.12 min Scan# 2186
Delta R.T. -0.05 min
Lab File: VV015179.D
Acq: 26 Mar 2020 20:59

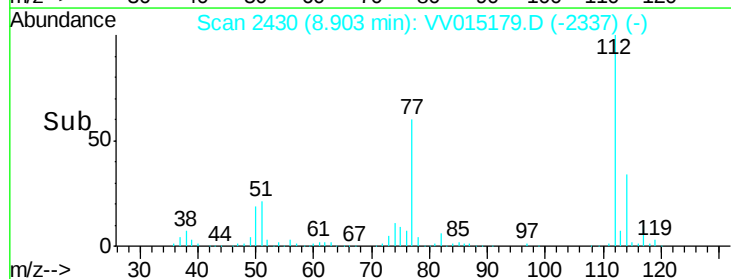
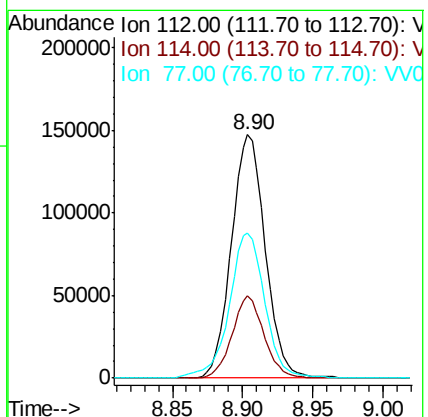
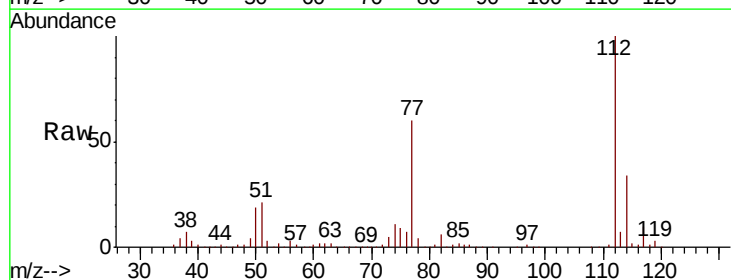
Instrument :
MSVOA_V
ClientSampleId :

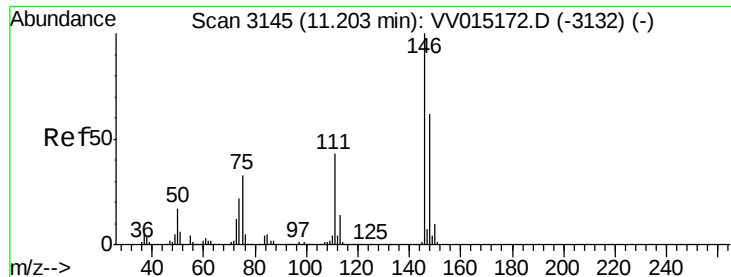
Tot Ion: 43 Resp: 23115
Ion Ratio Lower Upper
43 100
58 20.5 44.3 66.5#
57 21.3 15.4 23.0
100 0.3 10.4 15.6#



#51
Chlorobenzene
Concen: 18.581 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015179.D
Acq: 26 Mar 2020 20:59

Tgt Ion: 112 Resp: 248331
Ion Ratio Lower Upper
112 100
114 33.6 22.1 41.1
77 59.8 47.3 70.9

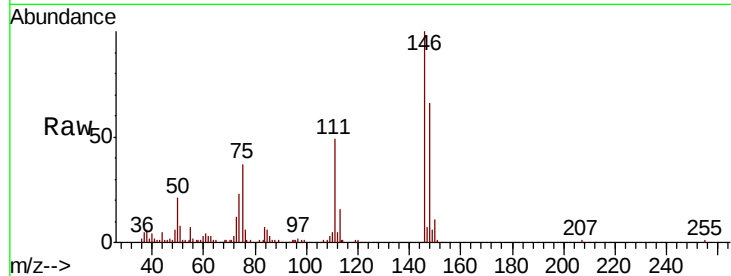




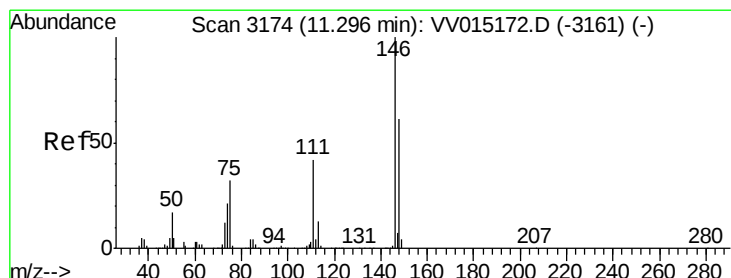
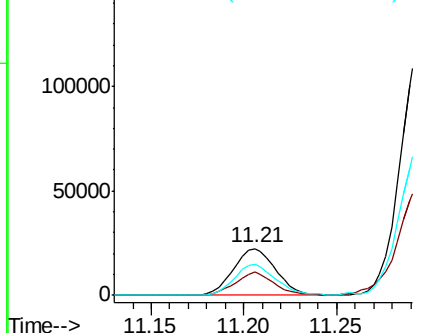
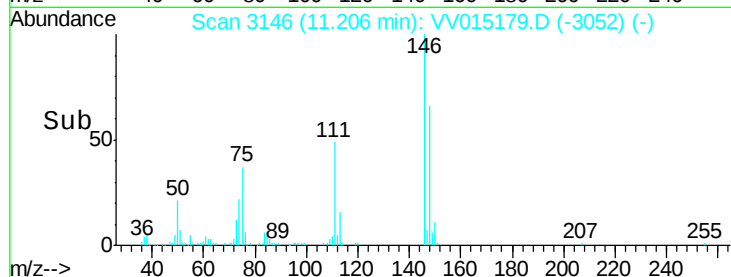
#62
 1,3-Dichlorobenzene
 Concen: 3.868 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV015179.D
 Acq: 26 Mar 2020 20:59

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:146 Resp: 35933
 Ion Ratio Lower Upper
 146 100
 111 49.0 30.5 56.7
 148 65.6 44.0 81.6

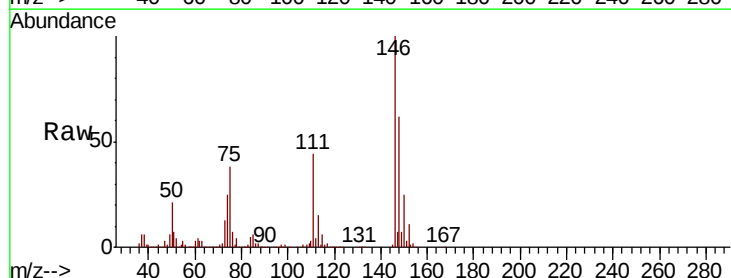


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

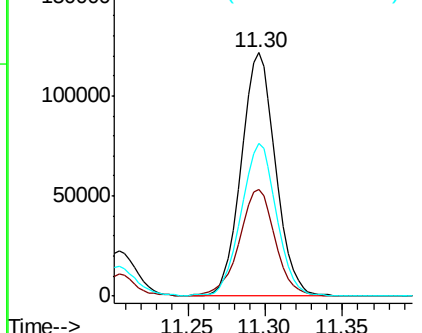
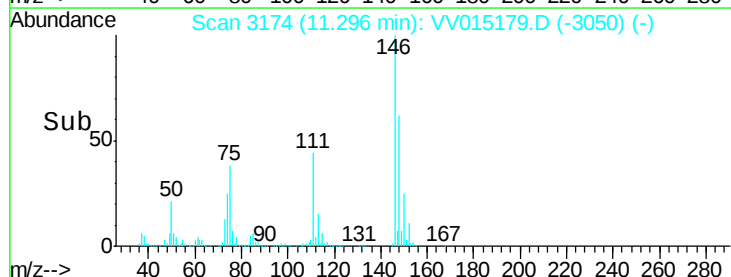


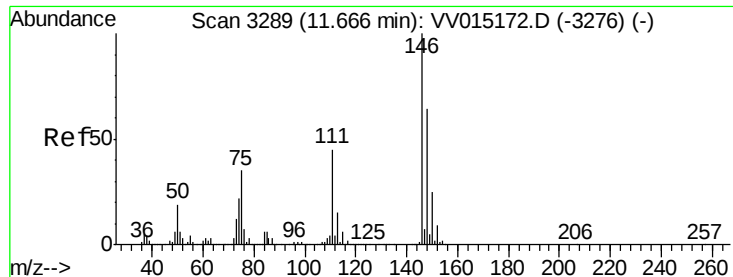
#63
 1,4-Dichlorobenzene
 Concen: 19.867 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV015179.D
 Acq: 26 Mar 2020 20:59

Tgt Ion:146 Resp: 186459
 Ion Ratio Lower Upper
 146 100
 111 43.9 29.2 54.2
 148 62.5 44.8 83.2



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: 20.314 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015179.D

Acq: 26 Mar 2020 20:59

Instrument :

MSVOA_V

ClientSampleId :

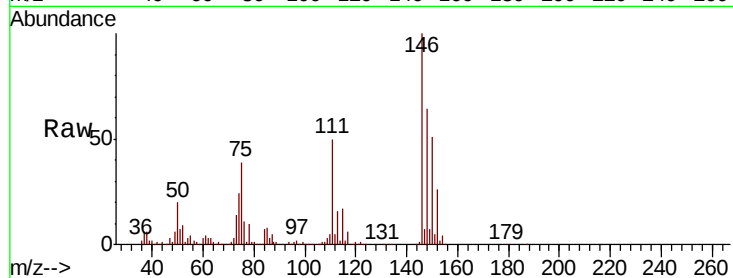
Tot Ion:146 Resp: 191347

Ion Ratio Lower Upper

146 100

111 50.0 35.4 53.2

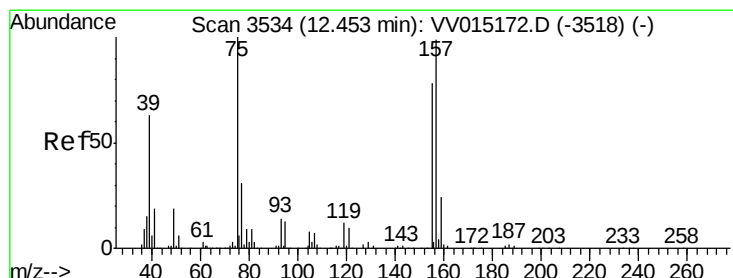
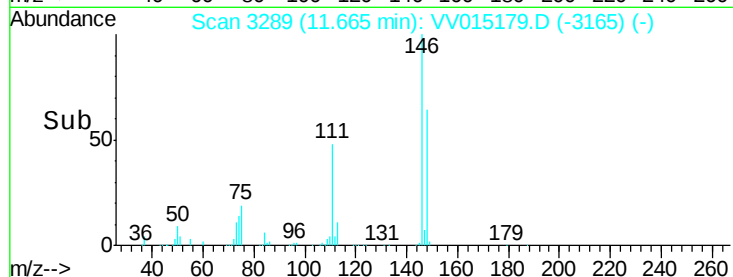
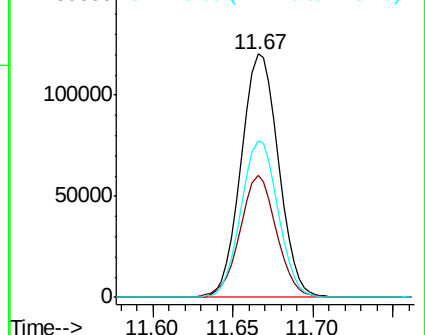
148 64.1 49.7 74.5



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



#66

1,2-Dibromo-3-chloropropane

Concen: 0.951 ug/L

RT: 12.42 min Scan# 3524

Delta R.T. -0.03 min

Lab File: VV015179.D

Acq: 26 Mar 2020 20:59

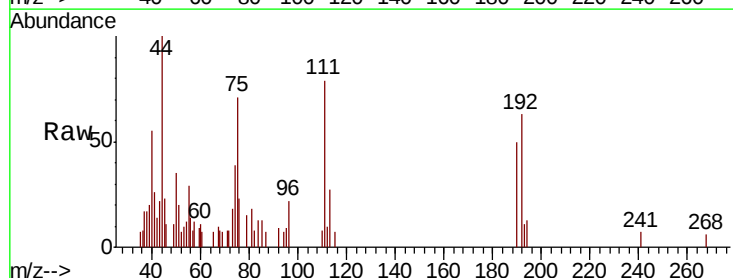
Tgt Ion: 75 Resp: 1991

Ion Ratio Lower Upper

75 100

155 0.0 60.5 90.7#

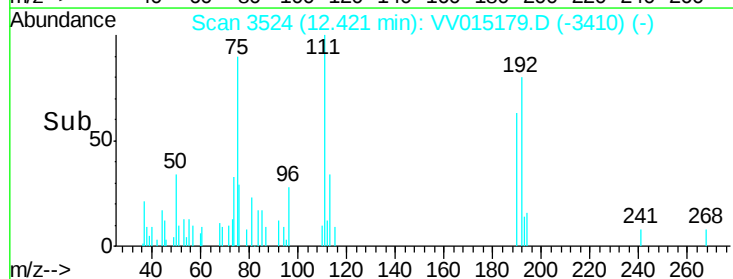
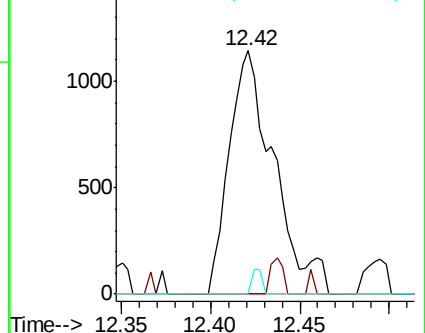
157 0.0 76.7 115.1#

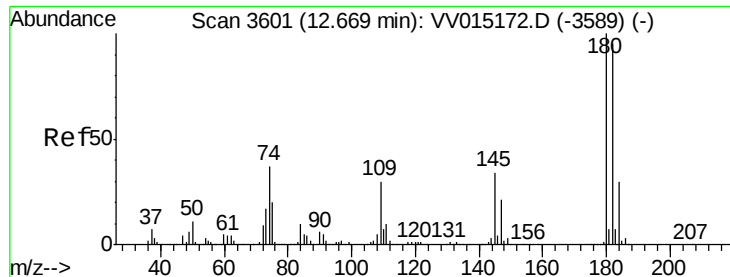


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

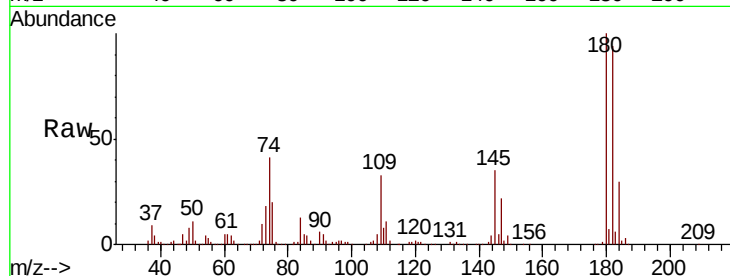




#67
 1,3,5-Trichlorobenzene
 Concen: 22.499 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV015179.D
 Acq: 26 Mar 2020 20:59

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.6	114.8
184	30.1	24.2	36.4
145	34.6	27.6	41.4

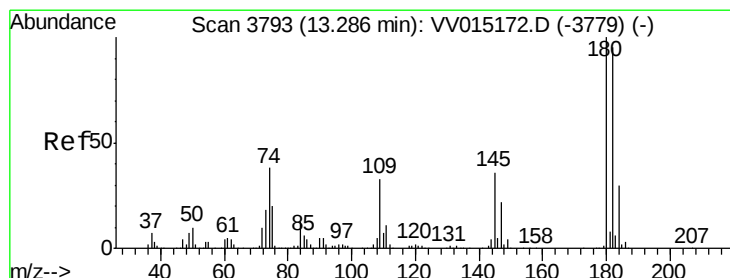
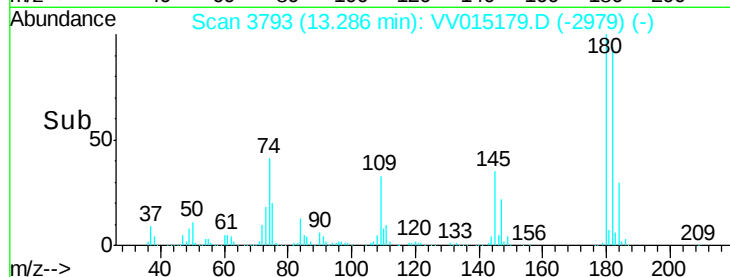
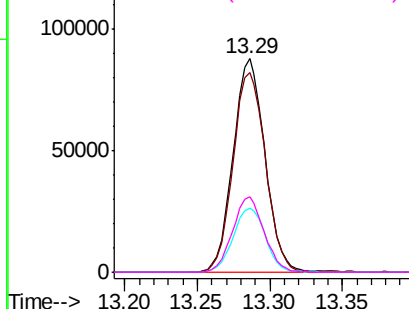


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

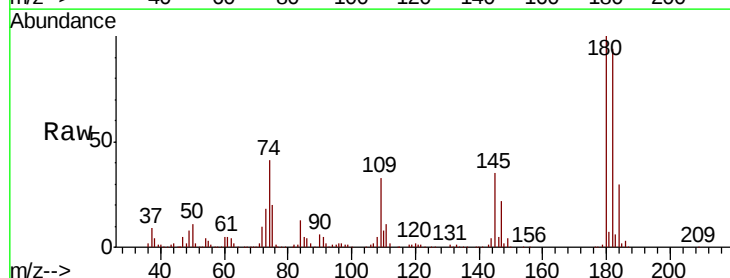
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.588 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015179.D
 Acq: 26 Mar 2020 20:59

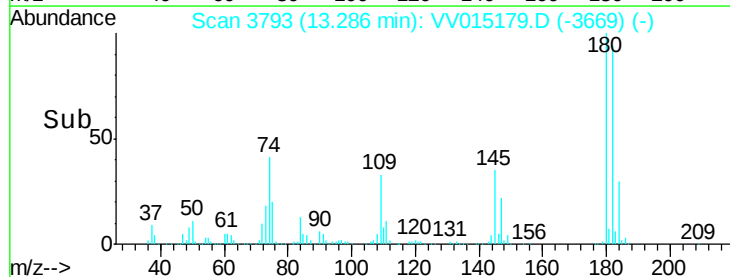
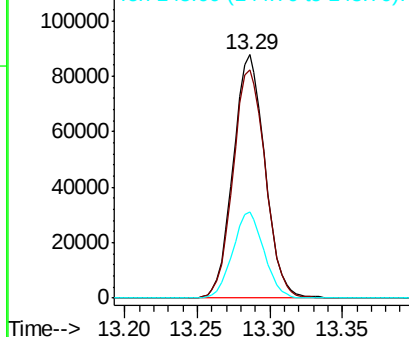
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.2	112.8
145	34.6	27.5	41.3

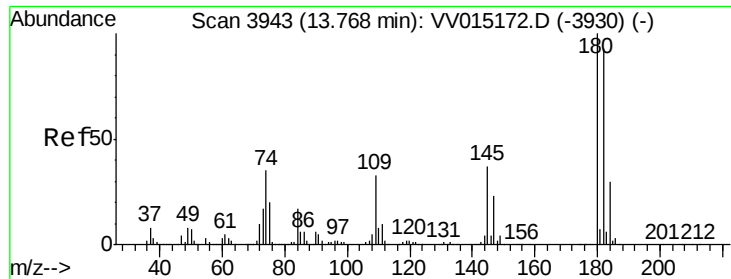


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

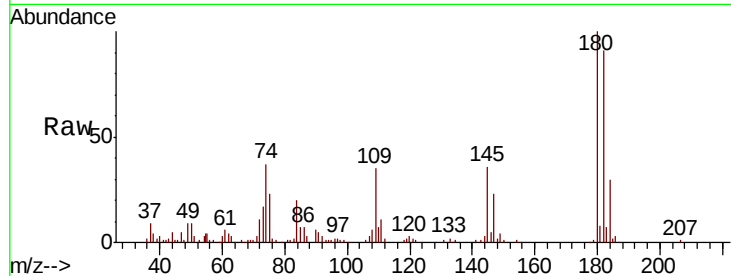




#70
 1,2,3-Trichlorobenzene
 Concen: 7.920 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VV015179.D
 Acq: 26 Mar 2020 20:59

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	44971
Ion	Ratio	Lower	Upper
180	100		
182	94.4	74.6	112.0
145	37.5	29.9	44.9



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

