

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032620\
 Data File : VV015182.D
 Acq On : 26 Mar 2020 22:12
 Operator : SY/MD
 Sample : L1968-16 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DL6

Manual Integrations
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Quant Time: Mar 27 05:38:39 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	588099	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	569169	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	259040	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	205934	65.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	130.54%
7) Chloroethane-d5	1.58	69	196128m	61.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	123.32%
11) 1,1-Dichloroethene-d2	2.12	63	326601	45.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.78%
21) 2-Butanone-d5	3.94	46	286833	91.30	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.30%
24) Chloroform-d	4.38	84	359021	51.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.84%
26) 1,2-Dichloroethane-d4	5.06	65	245062	53.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.36%
32) Benzene-d6	5.08	84	734239	62.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	125.42%#
36) 1,2-Dichloropropane-d6	6.09	67	232690	55.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.20%
41) Toluene-d8	7.34	98	710886	67.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	134.02%#
43) trans-1,3-Dichloropropene-	7.64	79	114527	49.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.58%
47) 2-Hexanone-d5	8.11	63	231673	93.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.82%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	344349	48.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.02%
64) 1,2-Dichlorobenzene-d4	11.65	152	256630m	53.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
25) Chloroform	4.41	83	34013	4.336	ug/L	98
31) Carbon tetrachloride	4.85	117	8938	1.475	ug/L	97
33) Benzene	5.13	78	1786805	105.448	ug/L	100
51) Chlorobenzene	8.90	112	5851345	484.584	ug/L	97
62) 1,3-Dichlorobenzene	11.21	146	196491	22.623	ug/L	96
63) 1,4-Dichlorobenzene	11.30	146	1873287	213.510	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	1967272	223.406	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	307075	57.927	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	86869	16.366	ug/L	99

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

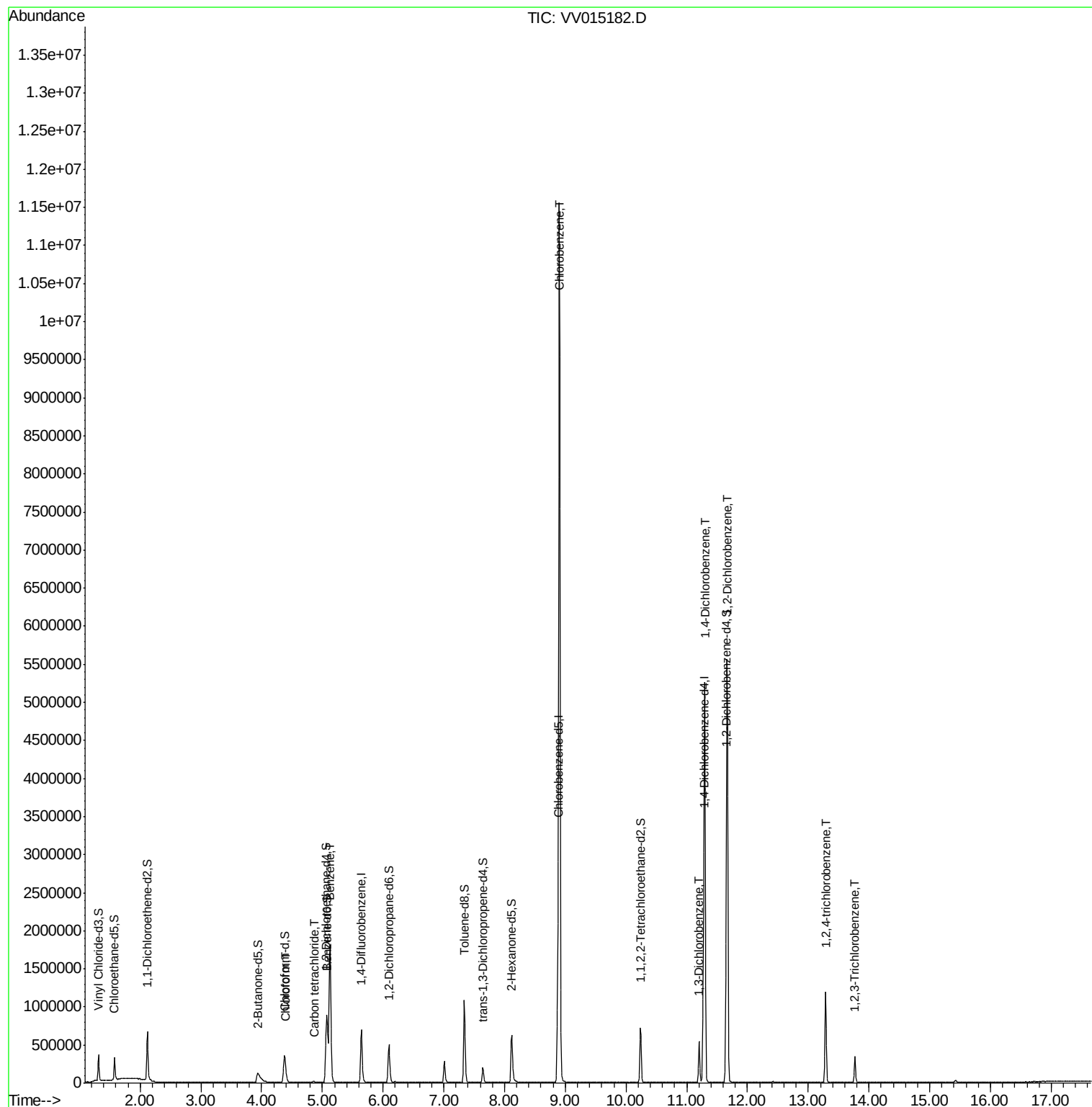
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV032620\
Data File : VV015182.D
Acq On : 26 Mar 2020 22:12
Operator : SY/MD
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ALS Vial : 1 Sample Multiplier: 1

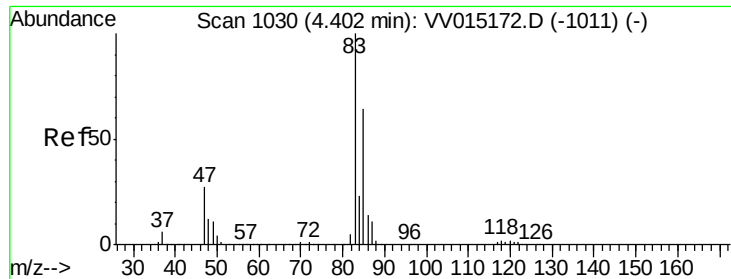
Instrument :
MSVOA_V
ClientSampleId :
C0DL6

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Quant Time: Mar 27 05:38:39 2020
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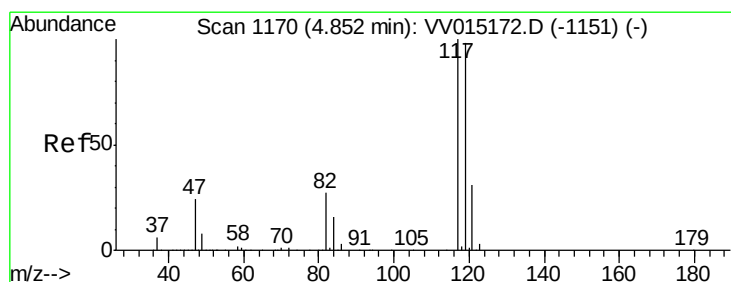
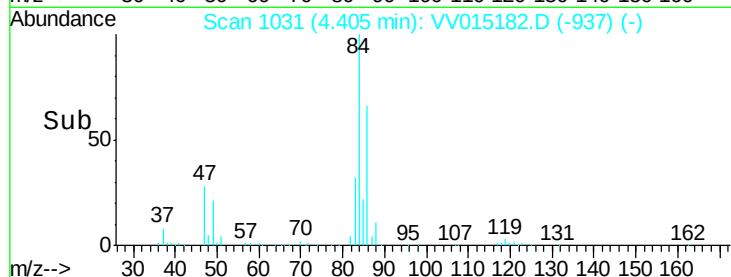
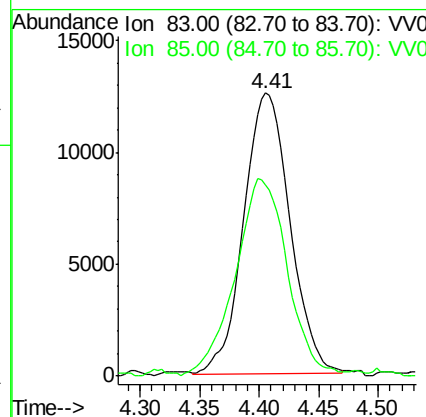
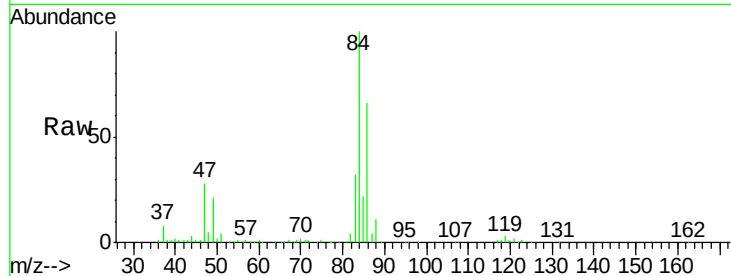
#25
Chloroform
Concen: 4.336 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015182.D
Acq: 26 Mar 2020 22:12

Instrument :
MSVOA_V
ClientSampled :
C0DL6

Tot Ion	83	Resp	34013
Ion Ratio	100	Lower	Upper
85	67.5	46.2	85.8

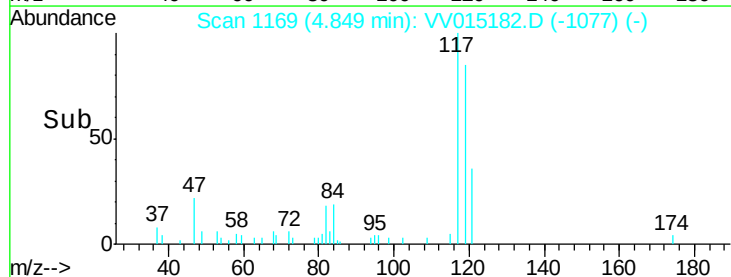
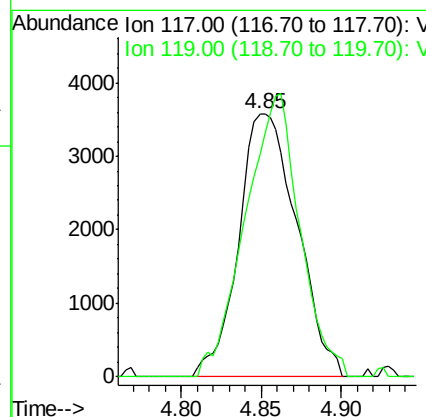
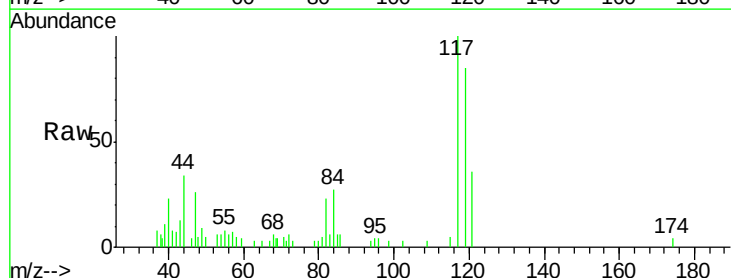
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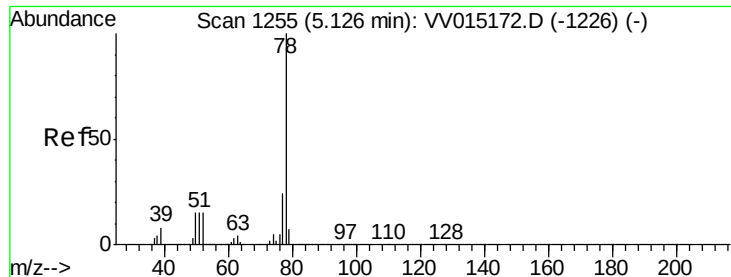
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#31
Carbon tetrachloride
Concen: 1.475 ug/L
RT: 4.85 min Scan# 1169
Delta R.T. -0.00 min
Lab File: VV015182.D
Acq: 26 Mar 2020 22:12

Tgt Ion	117	Resp	8938
Ion Ratio	100	Lower	Upper
119	99.1	76.6	115.0





#33

Benzene

Concen: 105.448 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VV015182.D

Acq: 26 Mar 2020 22:12

Instrument :

MSVOA_V

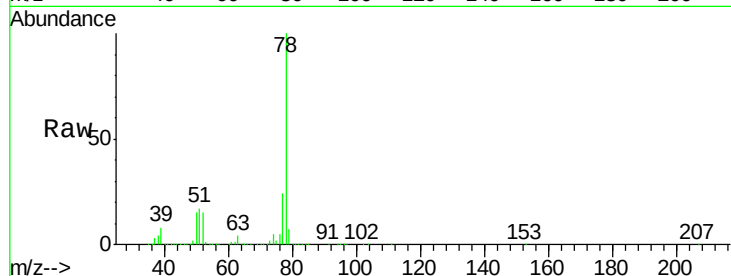
ClientSampleId :

C0DL6

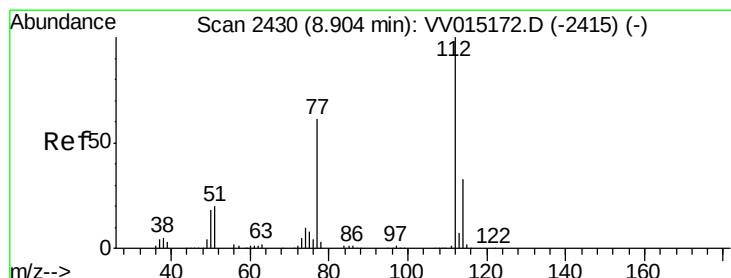
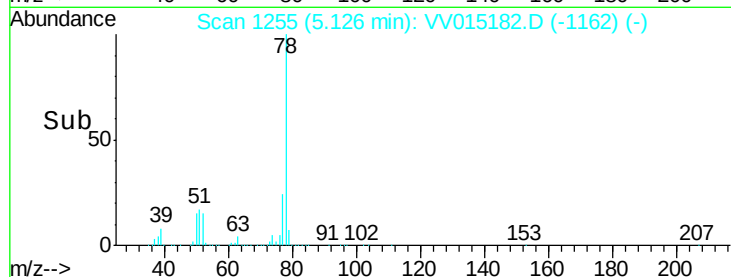
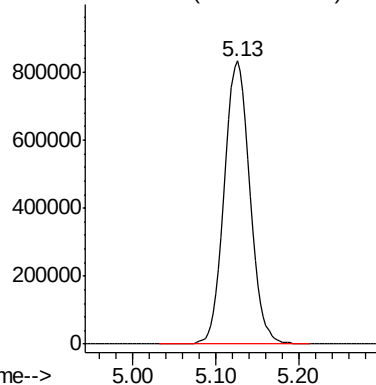
Tgt Ion: 78 Resp: 1786805

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Abundance Ion 78.00 (77.70 to 78.70): VV0



#51

Chlorobenzene

Concen: 484.584 ug/L

RT: 8.90 min Scan# 2430

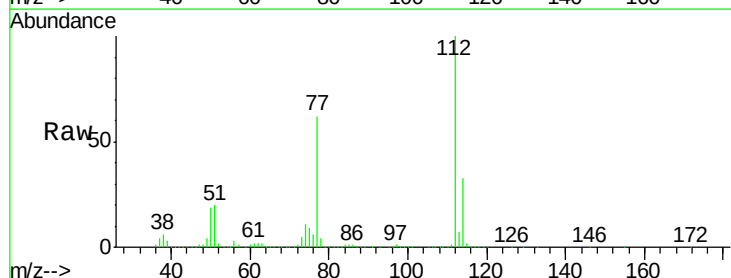
Delta R.T. -0.00 min

Lab File: VV015182.D

Acq: 26 Mar 2020 22:12

Tgt Ion: 112 Resp: 5851345

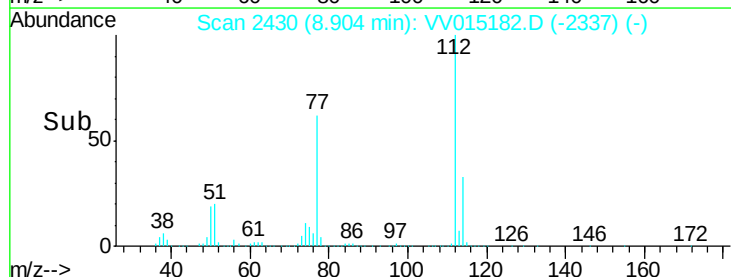
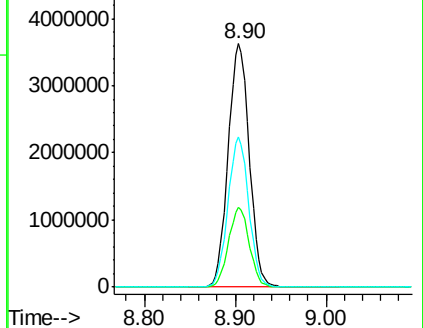
Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.1	41.1
77	61.7	47.3	70.9

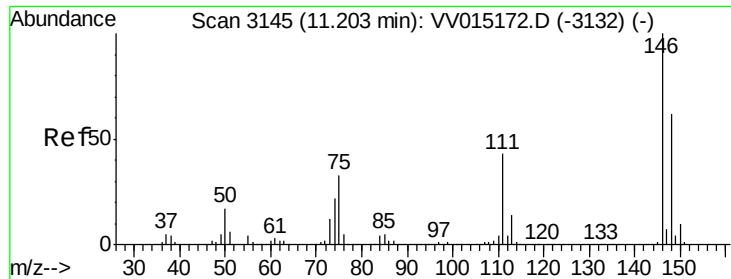


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 22.623 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015182.D

Acq: 26 Mar 2020 22:12

Instrument :

MSVOA_V

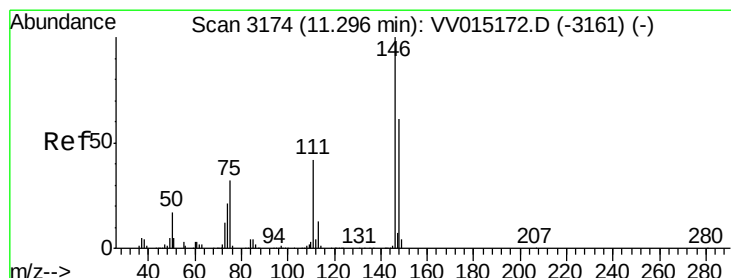
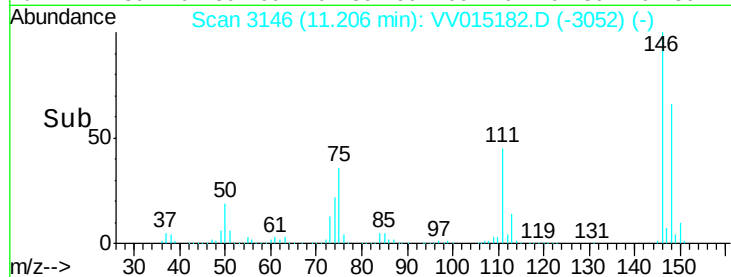
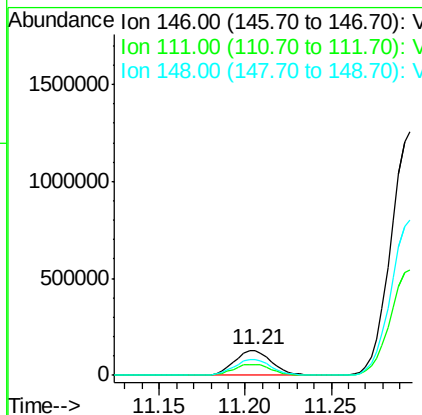
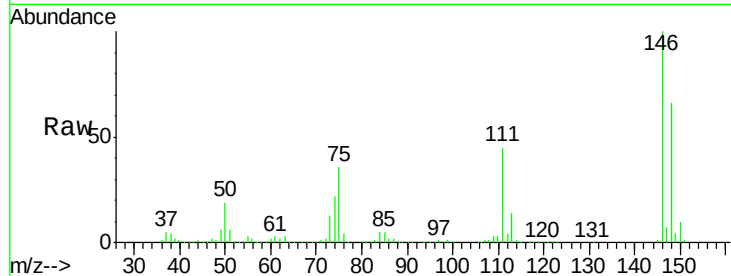
ClientSampled :

C0DL6

Tot Ion:	146	Resp:	196491
Ion Ratio	Lower	Upper	
146	100		
111	45.3	30.5	56.7
148	66.0	44.0	81.6

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#63

1,4-Dichlorobenzene

Concen: 213.510 ug/L

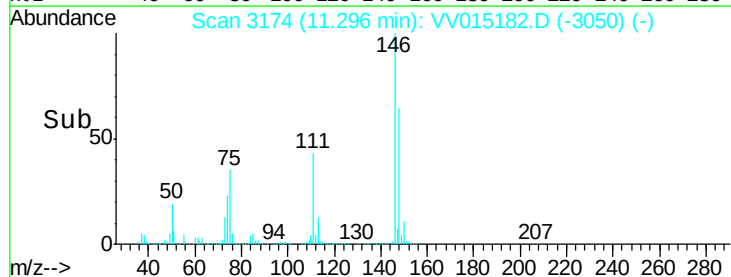
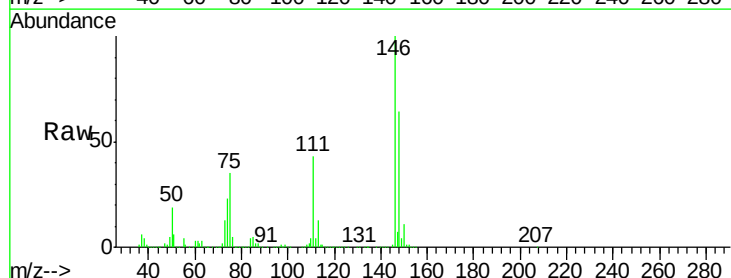
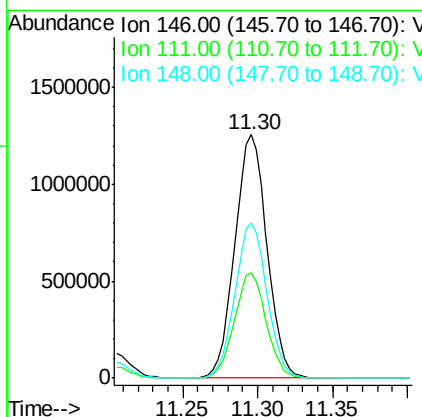
RT: 11.30 min Scan# 3174

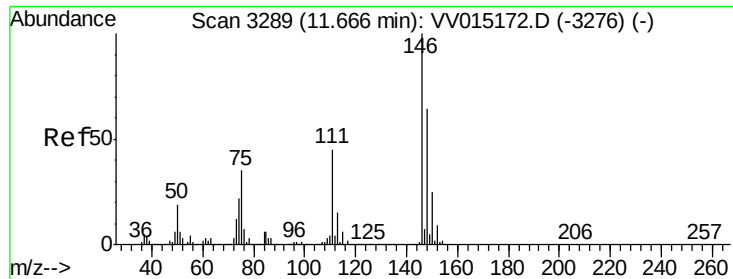
Delta R.T. -0.00 min

Lab File: VV015182.D

Acq: 26 Mar 2020 22:12

Tgt Ion:	146	Resp:	1873287
Ion Ratio	Lower	Upper	
146	100		
111	43.1	29.2	54.2
148	63.6	44.8	83.2





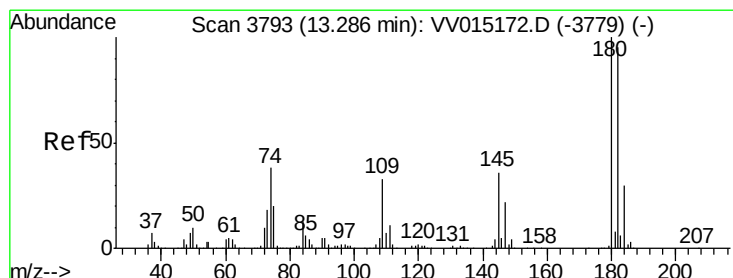
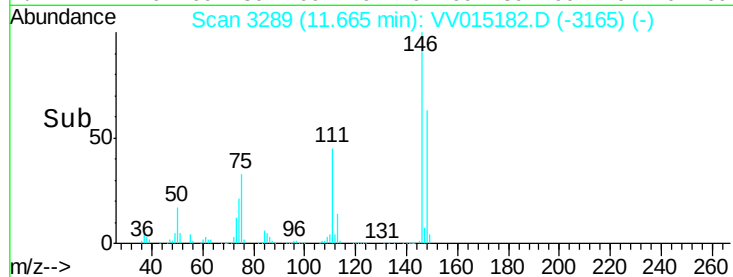
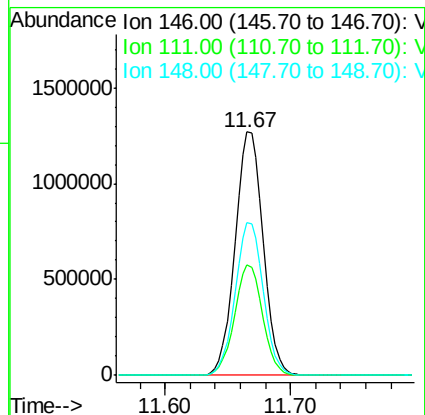
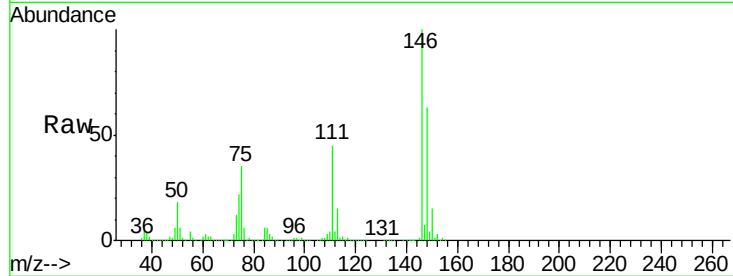
#65
 1,2-Dichlorobenzene
 Concen: 223.406 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV015182.D
 Acq: 26 Mar 2020 22:12

Instrument :
 MSVOA_V
 ClientSampled :
 C0DL6

Tot Ion:146 Resp: 1967272
 Ion Ratio Lower Upper
 146 100
 111 45.4 35.4 53.2
 148 62.7 49.7 74.5

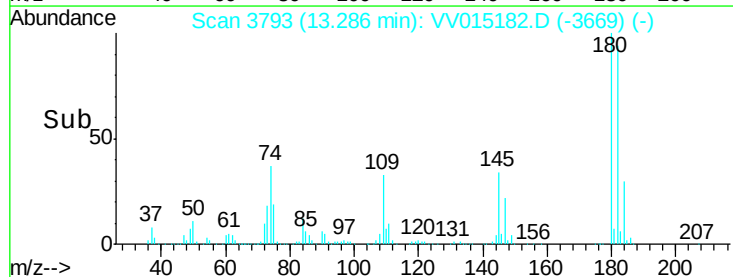
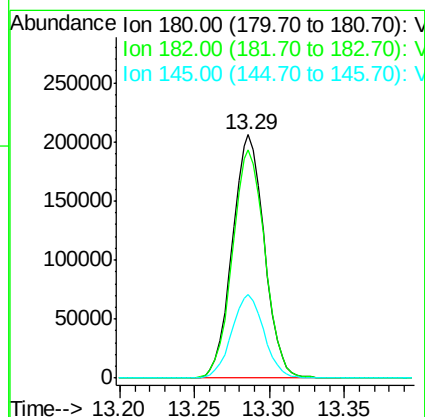
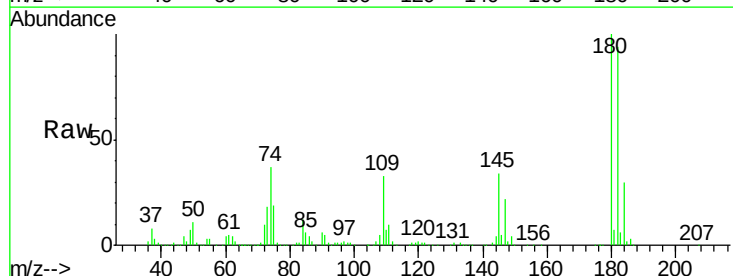
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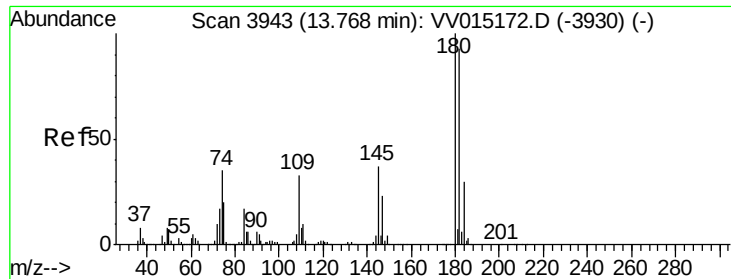
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#68
 1,2,4-trichlorobenzene
 Concen: 57.927 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015182.D
 Acq: 26 Mar 2020 22:12

Tgt Ion:180 Resp: 307075
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.2 112.8
 145 34.6 27.5 41.3





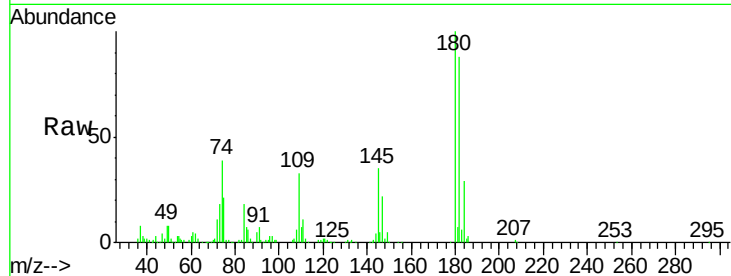
#70
 1,2,3-Trichlorobenzene
 Concen: 16.366 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV015182.D
 Acq: 26 Mar 2020 22:12

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DL6

Tot Ion	Ratio	Resp	Lower	Upper
180	100	86869		
182	92.5		74.6	112.0
145	36.6		29.9	44.9

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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

