

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030920\
 Data File : VV014772.D
 Acq On : 09 Mar 2020 13:26
 Operator : SY/MD
 Sample : L1834-14
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DK7

Quant Time: Mar 10 15:30:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 10 14:44:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	422229	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	410506	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	212349	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	124105	43.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.86%
7) Chloroethane-d5	1.58	69	102115	45.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.12	63	162476	34.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.44%
21) 2-Butanone-d5	3.93	46	199516	93.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.62%
24) Chloroform-d	4.38	84	240348	44.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.84%
26) 1,2-Dichloroethane-d4	5.06	65	174909	47.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.18%
32) Benzene-d6	5.08	84	541548	49.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.92%
36) 1,2-Dichloropropane-d6	6.10	67	172055	47.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.78%
41) Toluene-d8	7.34	98	513010	48.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.64%
43) trans-1,3-Dichloropropene-	7.64	79	84209	48.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.02%
47) 2-Hexanone-d5	8.12	63	159952	100.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.28%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	230428	46.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.26%
64) 1,2-Dichlorobenzene-d4	11.65	152	211954	50.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.72%

Target Compounds

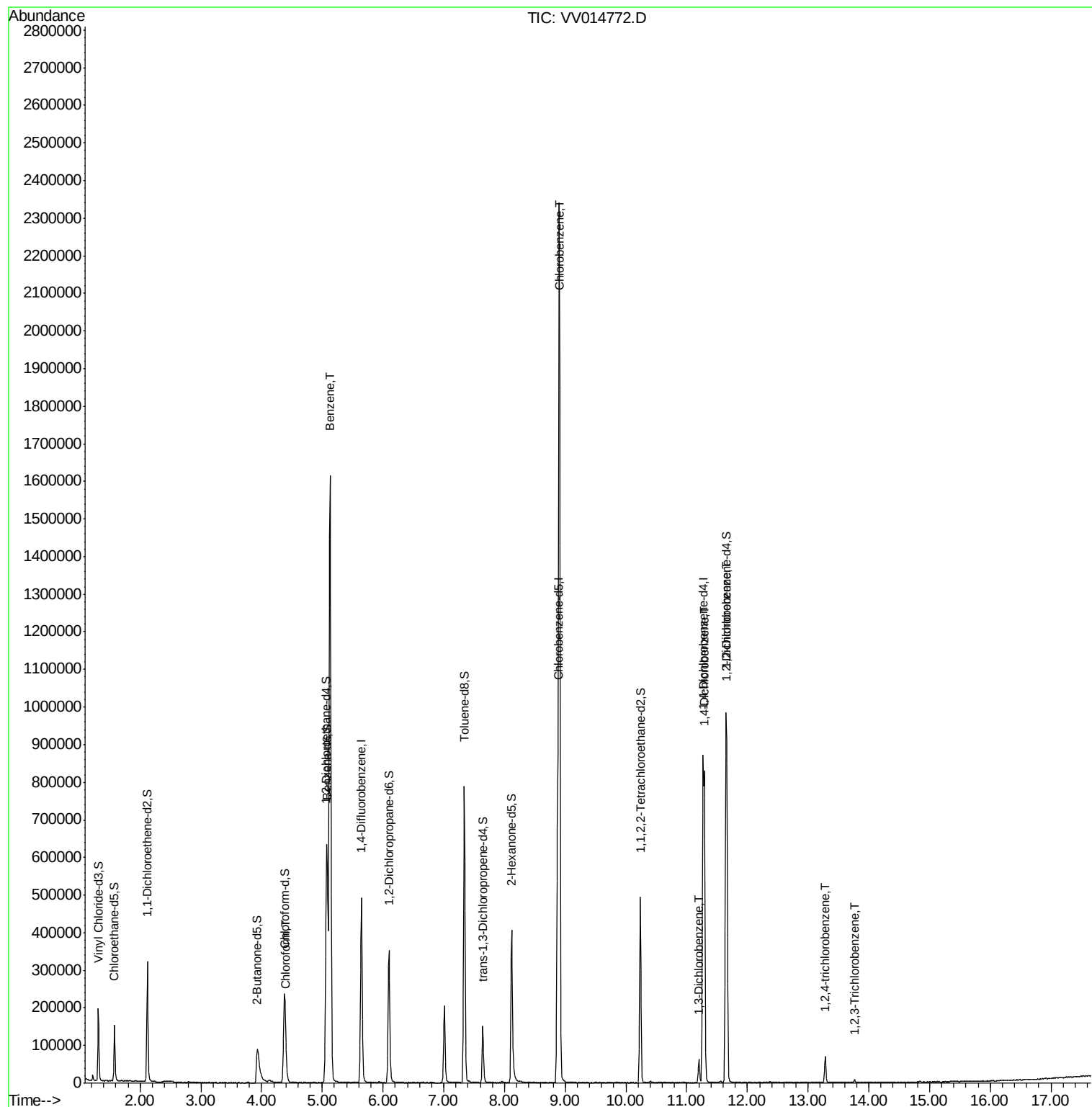
					Ovalue
25) Chloroform	4.41	83	25878	4.513	ug/L 95
33) Benzene	5.13	78	1618132	136.063	ug/L 100
51) Chlorobenzene	8.90	112	1233665	146.139	ug/L 98
62) 1,3-Dichlorobenzene	11.20	146	24601	3.583	ug/L 95
63) 1,4-Dichlorobenzene	11.29	146	305134	44.106	ug/L 99
65) 1,2-Dichlorobenzene	11.67	146	260771	38.144	ug/L 98
68) 1,2,4-trichlorobenzene	13.28	180	20542	4.208	ug/L 100
70) 1,2,3-Trichlorobenzene	13.76	180	2107	0.433	ug/L 96

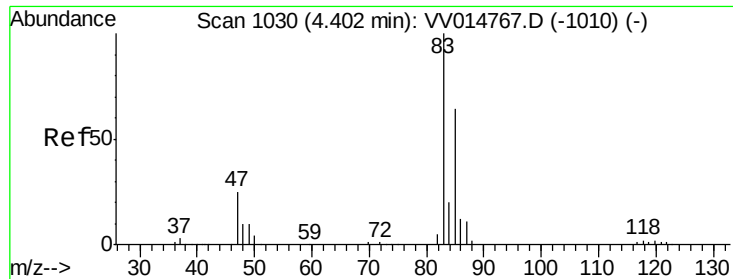
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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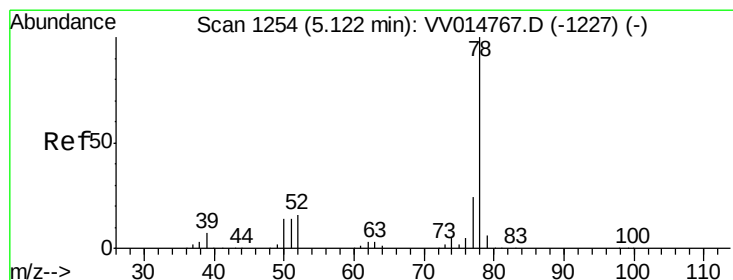
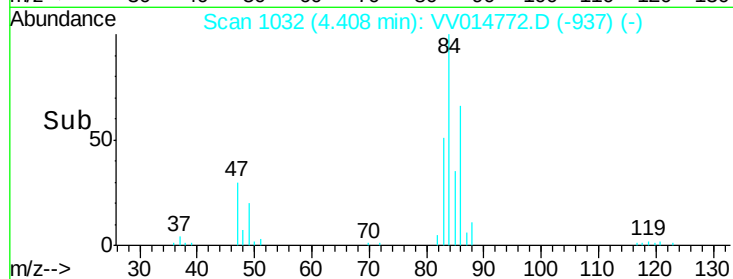
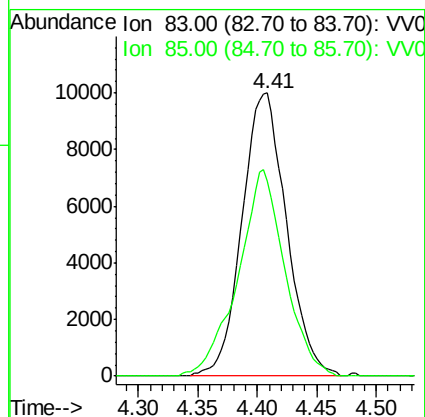
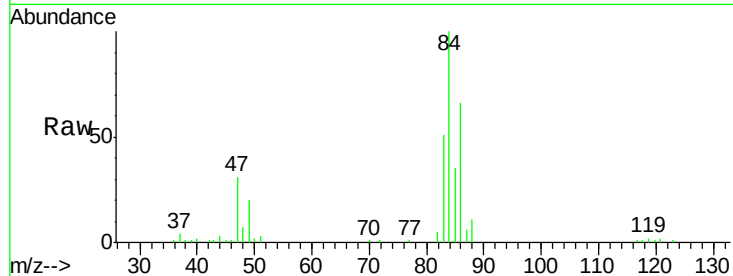




#25
Chloroform
Concen: 4.513 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV014772.D
Acq: 09 Mar 2020 13:26

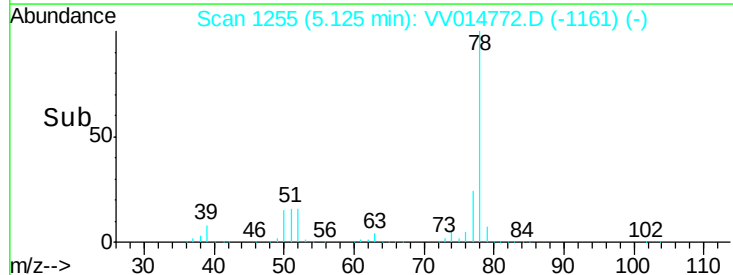
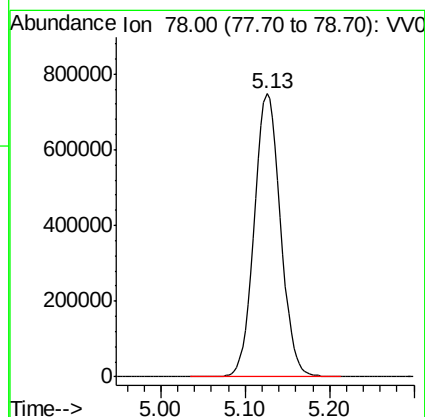
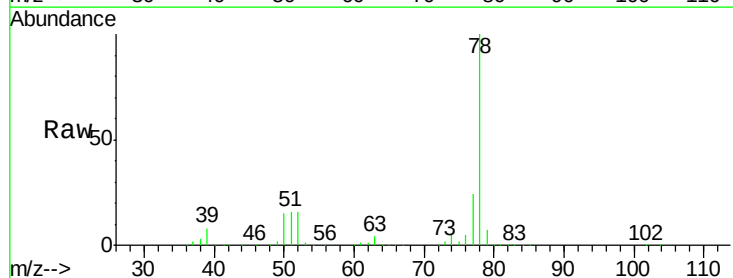
Instrument :
MSVOA_V
ClientSampled :
C0DK7

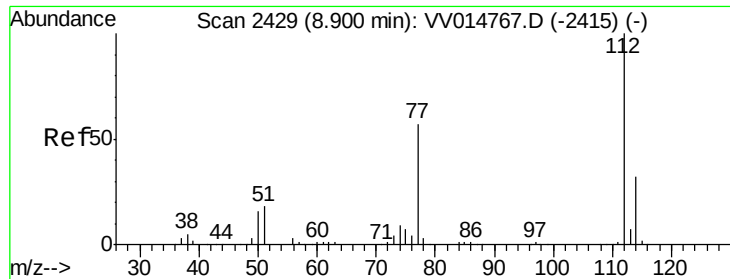
Tot Ion: 83 Resp: 25878
Ion Ratio Lower Upper
83 100
85 68.8 45.1 83.9



#33
Benzene
Concen: 136.063 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV014772.D
Acq: 09 Mar 2020 13:26

Tgt Ion: 78 Resp: 1618132





#51

Chlorobenzene

Concen: 146.139 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV014772.D

Acq: 09 Mar 2020 13:26

Instrument :

MSVOA_V

ClientSampleId :

C0DK7

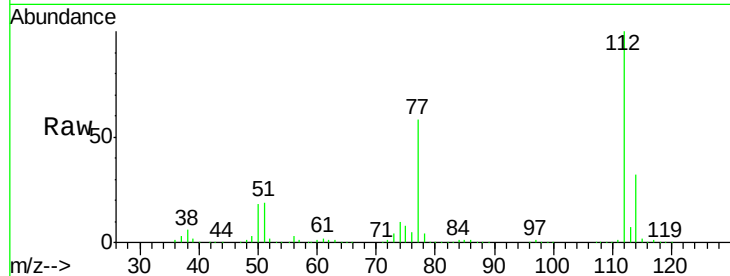
Tot Ion:112 Resp: 1233665

Ion Ratio Lower Upper

112 100

114 31.8 22.1 41.1

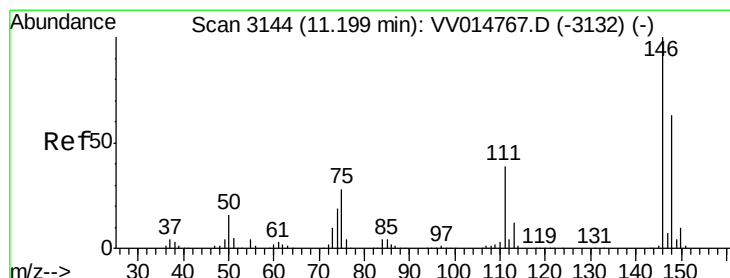
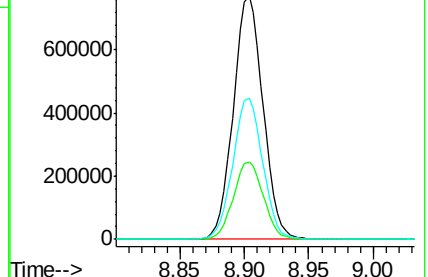
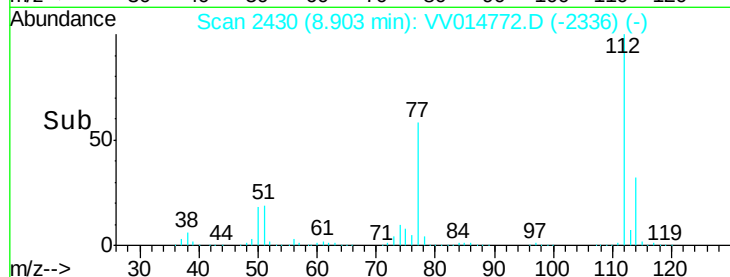
77 57.9 47.8 71.8



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: 3.583 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV014772.D

Acq: 09 Mar 2020 13:26

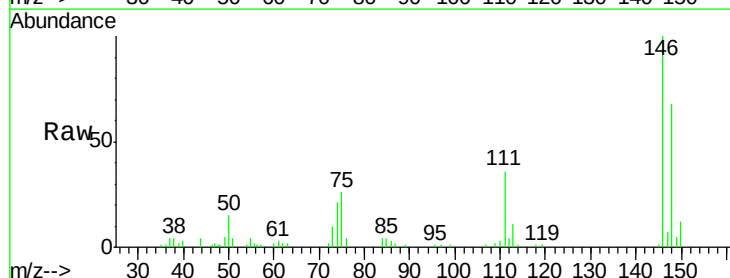
Tgt Ion:146 Resp: 24601

Ion Ratio Lower Upper

146 100

111 35.9 27.2 50.4

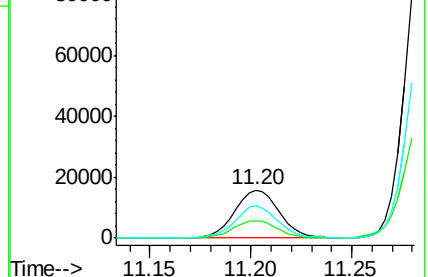
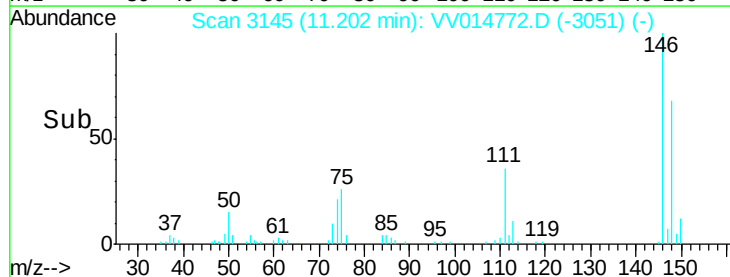
148 67.6 44.2 82.2

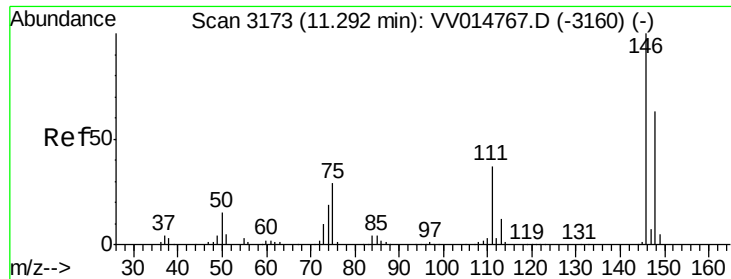


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

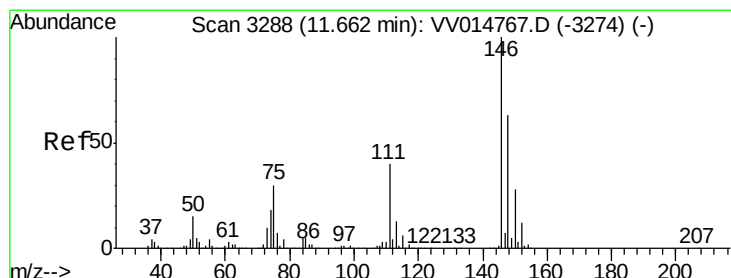
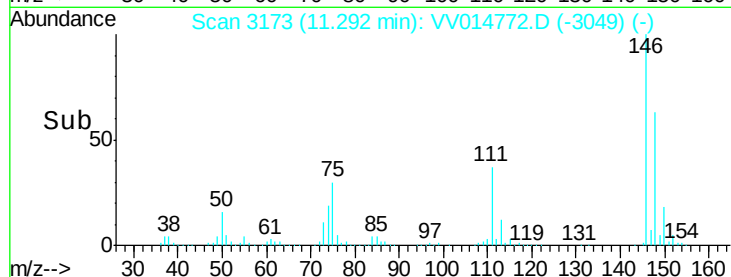
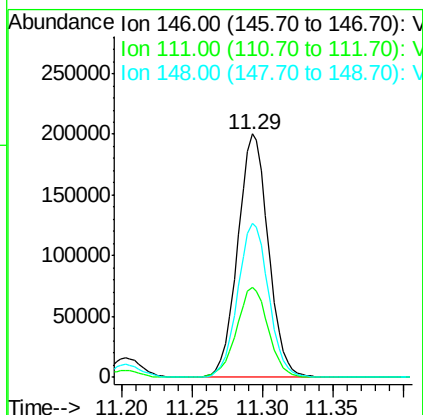
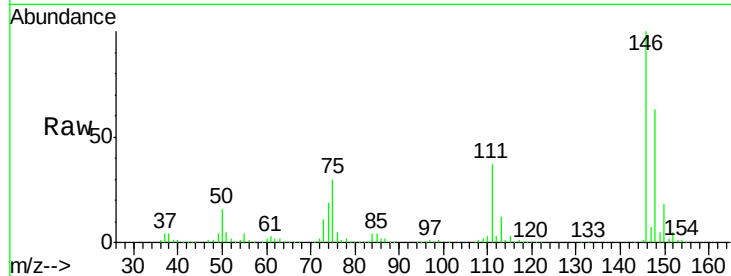




#63
 1,4-Dichlorobenzene
 Concen: 44.106 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV014772.D
 Acq: 09 Mar 2020 13:26

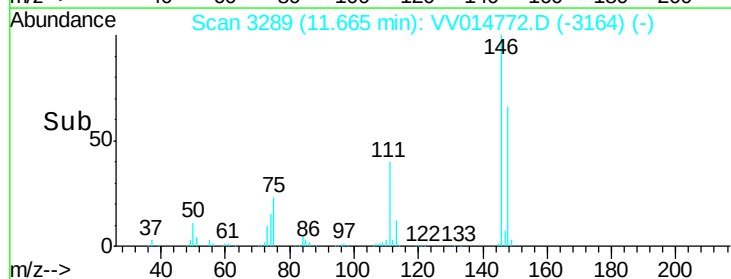
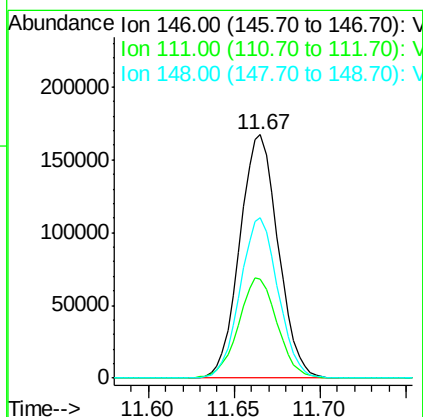
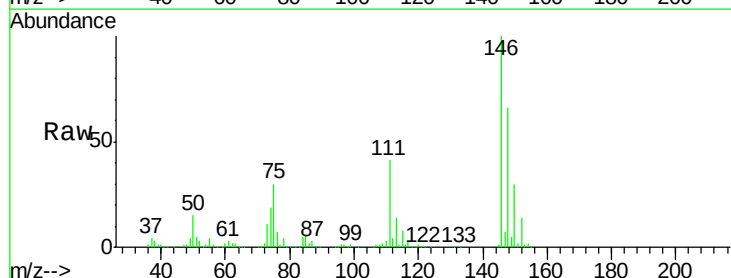
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 C0DK7

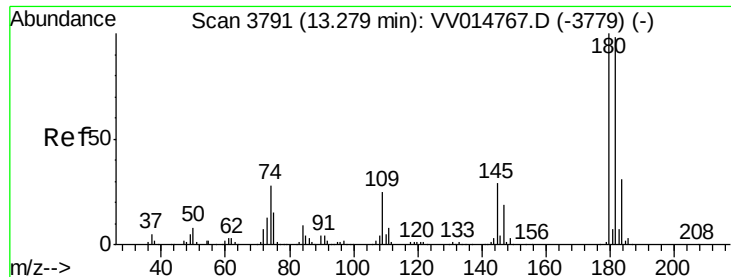
Tot Ion:146 Resp: 305134
 Ion Ratio Lower Upper
 146 100
 111 37.2 26.3 48.9
 148 63.5 44.0 81.8



#65
 1,2-Dichlorobenzene
 Concen: 38.144 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV014772.D
 Acq: 09 Mar 2020 13:26

Tgt Ion:146 Resp: 260771
 Ion Ratio Lower Upper
 146 100
 111 40.7 33.9 50.9
 148 65.9 51.4 77.0

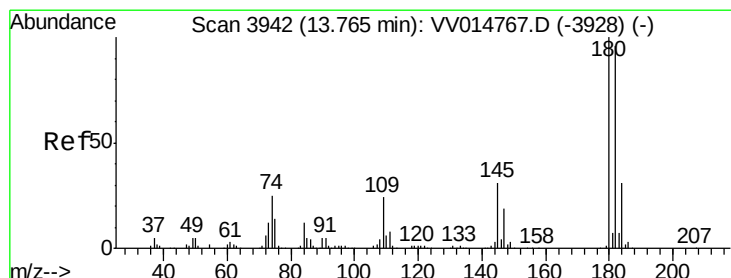
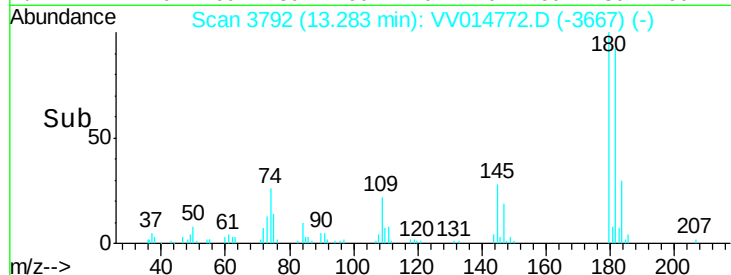
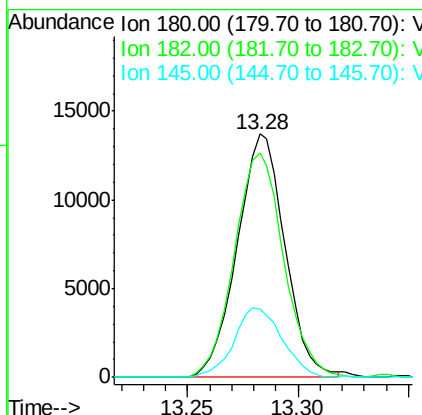
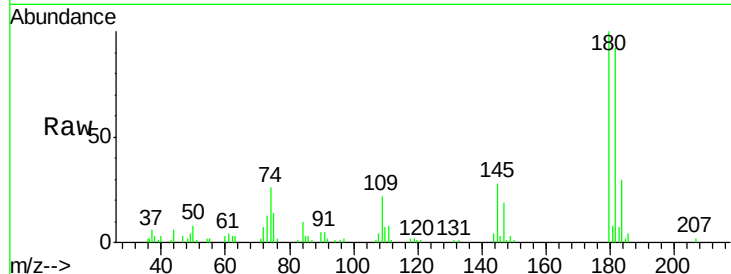




#68
 1,2,4-trichlorobenzene
 Concen: 4.208 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014772.D
 Acq: 09 Mar 2020 13:26

Instrument :
 MSVOA_V
 ClientSampled :
 C0DK7

Tot Ion:180 Resp: 20542
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.6 114.8
 145 28.9 23.4 35.0



#70
 1,2,3-Trichlorobenzene
 Concen: 0.433 ug/L
 RT: 13.76 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VV014772.D
 Acq: 09 Mar 2020 13:26

Tgt Ion:180 Resp: 2107
 Ion Ratio Lower Upper
 180 100
 182 100.9 76.5 114.7
 145 30.6 25.0 37.4

