

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032519\
 Data File : VV009874.D
 Acq On : 25 Mar 2019 20:46
 Operator : SY/MD
 Sample : K2016-12DL 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0989DL

Quant Time: Mar 26 08:11:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 26 07:13:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	173928	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	173827	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	77827	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84533	47.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.20%
7) Chloroethane-d5	1.56	69	96917	48.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.12	63	181515	34.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.34%
21) 2-Butanone-d5	3.93	46	79002	99.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.67%
24) Chloroform-d	4.40	84	112561	45.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.16%
26) 1,2-Dichloroethane-d4	5.08	65	78080	47.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.60%
32) Benzene-d6	5.10	84	234869	49.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.56%
36) 1,2-Dichloropropane-d6	6.12	67	72919	50.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.20%
41) Toluene-d8	7.36	98	217034	46.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.94%
43) trans-1,3-Dichloropropene-	7.66	79	27212	40.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.86%
47) 2-Hexanone-d5	8.14	63	58349	97.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.80%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	101256	42.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.74%
64) 1,2-Dichlorobenzene-d4	11.67	152	86236	47.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.66%

Target Compounds

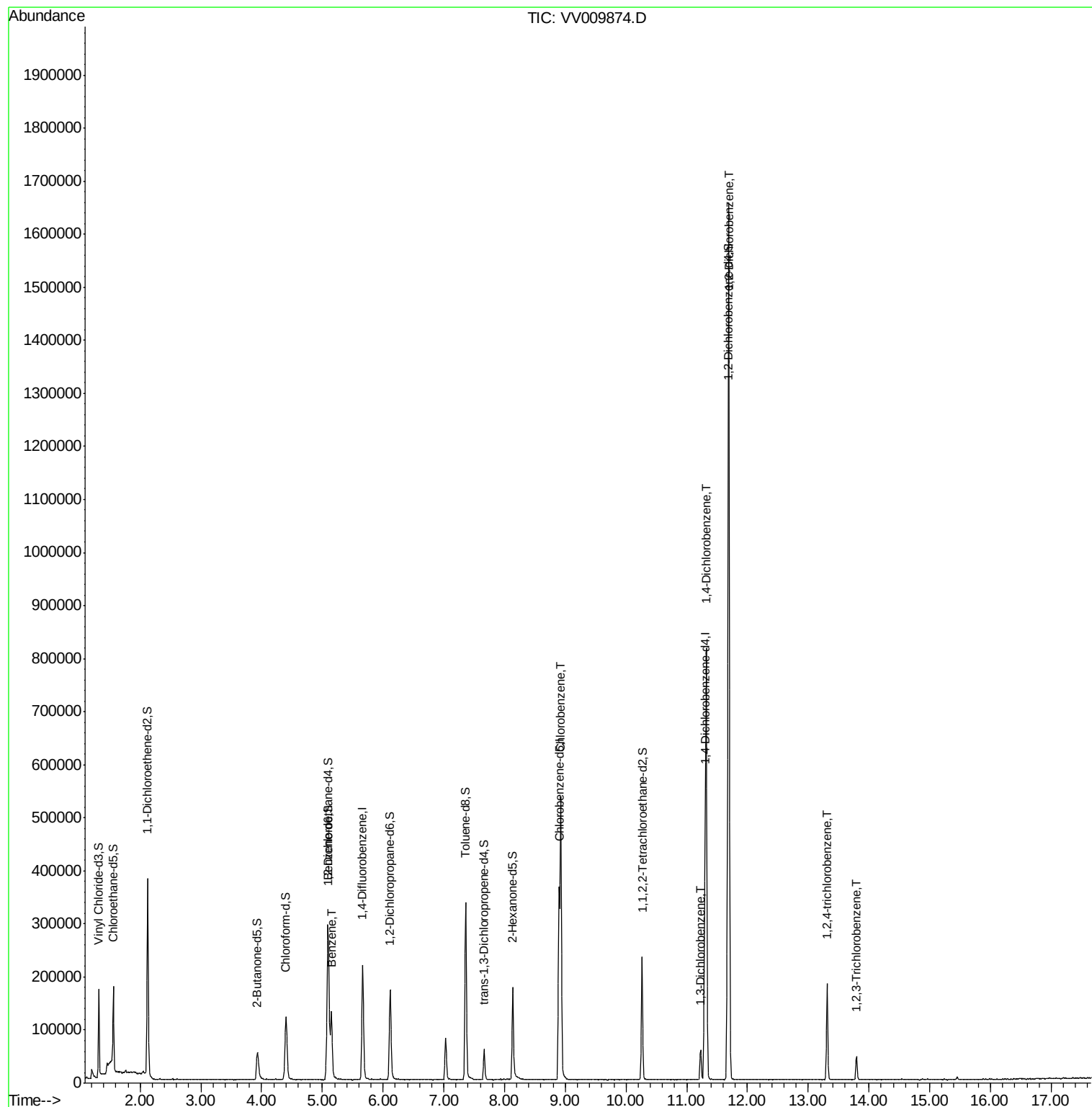
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
33) Benzene	5.15	78	118331	23.318	ug/L	100
51) Chlorobenzene	8.93	112	258695	67.287	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	21608	8.105	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	279131	99.864	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	553110	196.387	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	48295	33.325	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	12356	8.428	ug/L	96

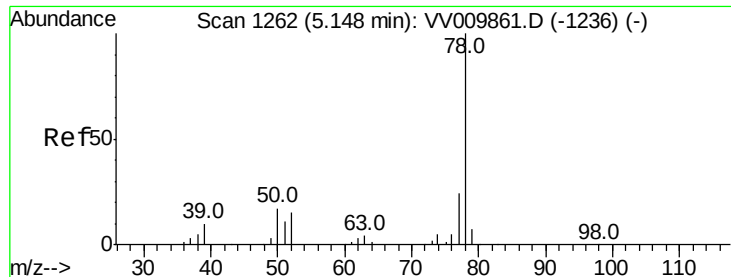
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#33

Benzene

Concen: 23.318 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV009874.D

Acq: 25 Mar 2019 20:46

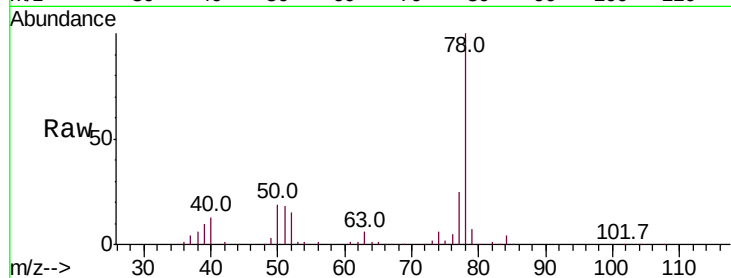
Instrument :

MSVOA_V

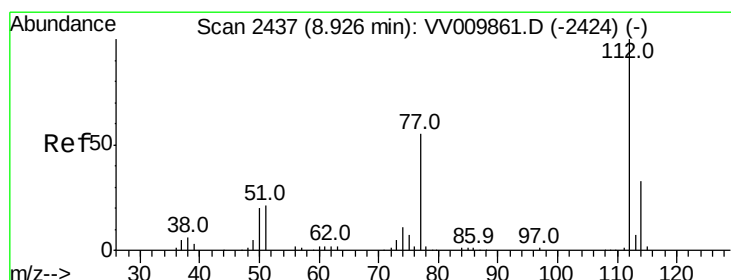
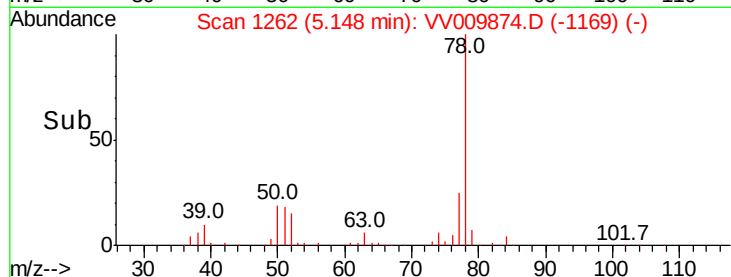
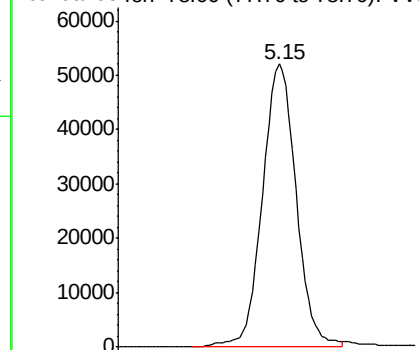
ClientSampled :

C0989DL

Tgt Ion: 78 Resp: 118331



Abundance Ion 78.00 (77.70 to 78.70): VV0



#51

Chlorobenzene

Concen: 67.287 ug/L

RT: 8.93 min Scan# 2437

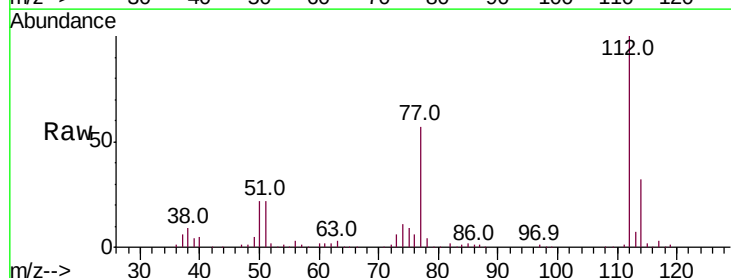
Delta R.T. 0.00 min

Lab File: VV009874.D

Acq: 25 Mar 2019 20:46

Tgt Ion: 112 Resp: 258695

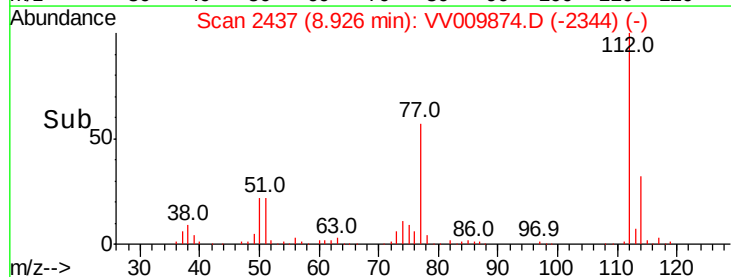
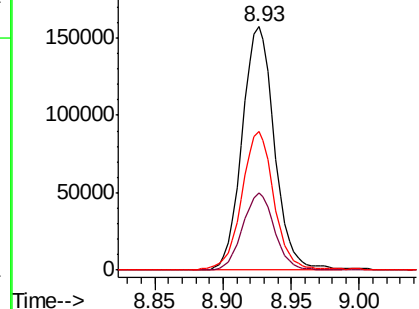
Ion	Ratio	Lower	Upper
112	100		
114	31.6	23.3	43.3
77	56.7	45.8	68.6

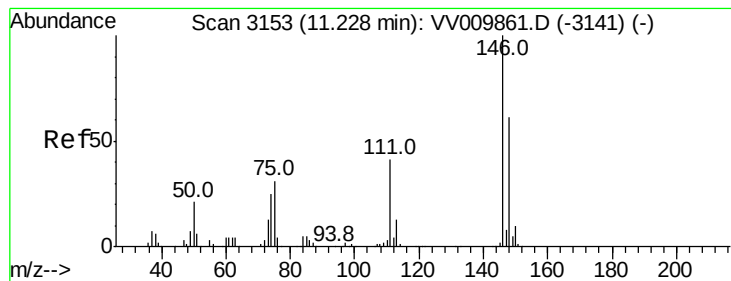


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 8.105 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV009874.D

Acq: 25 Mar 2019 20:46

Instrument :

MSVOA_V

ClientSampleId :

C0989DL

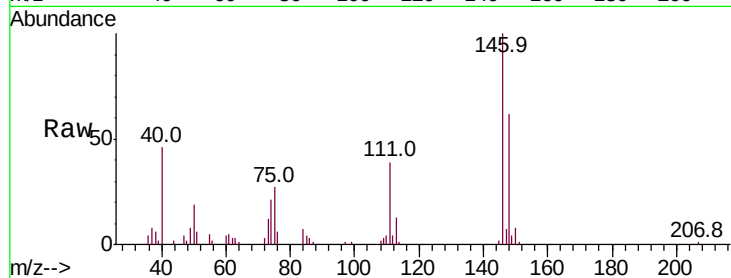
Tot Ion:146 Resp: 21608

Ion Ratio Lower Upper

146 100

111 38.7 27.5 51.1

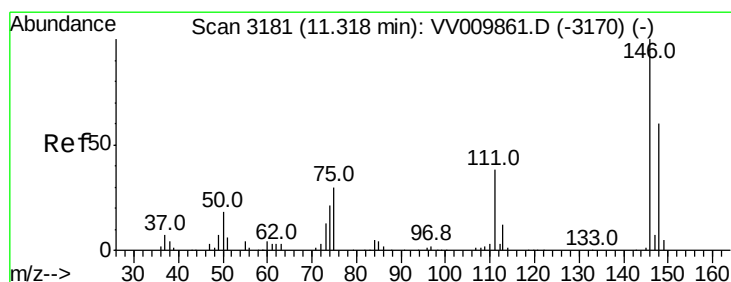
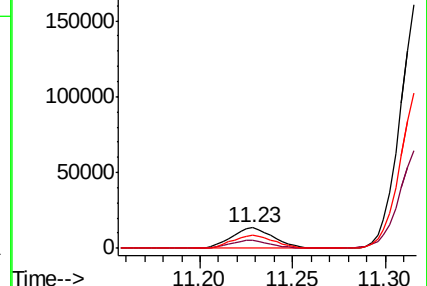
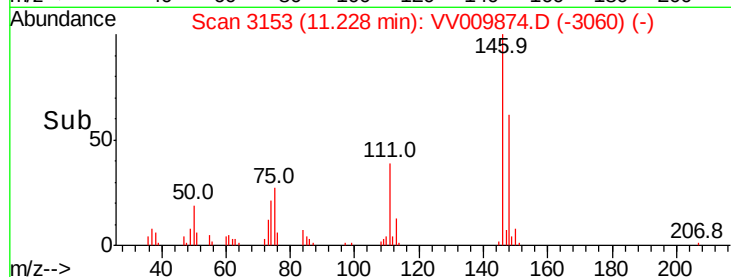
148 62.0 43.0 80.0



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: 99.864 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV009874.D

Acq: 25 Mar 2019 20:46

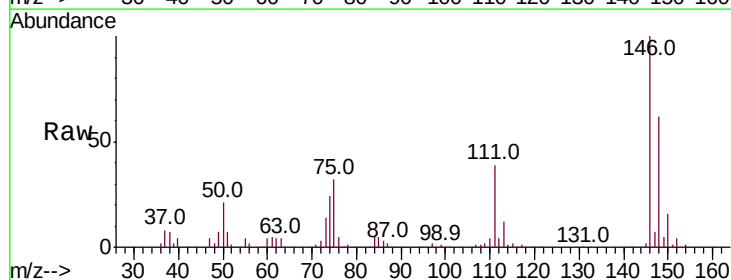
Tgt Ion:146 Resp: 279131

Ion Ratio Lower Upper

146 100

111 39.0 26.5 49.3

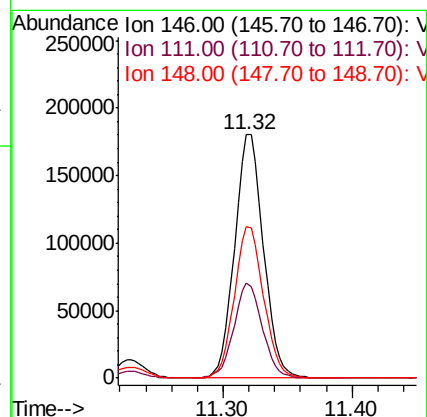
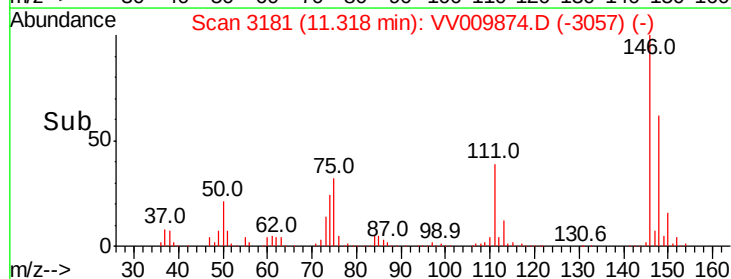
148 62.2 43.2 80.2

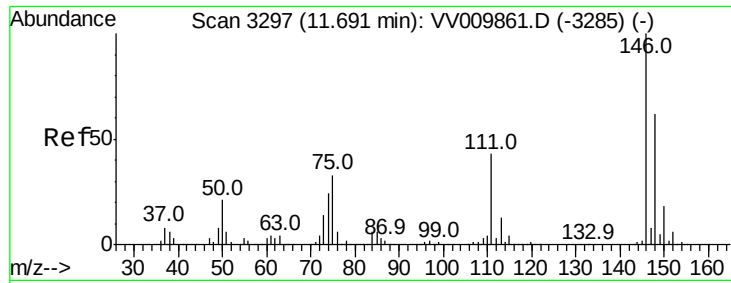


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

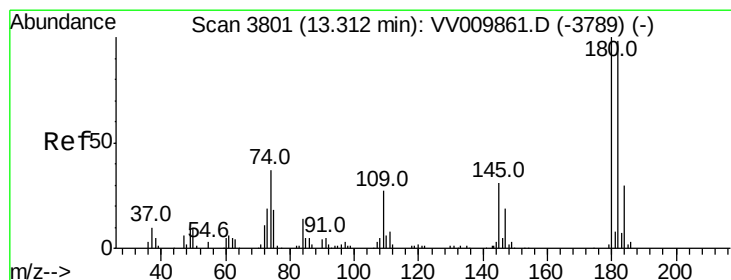
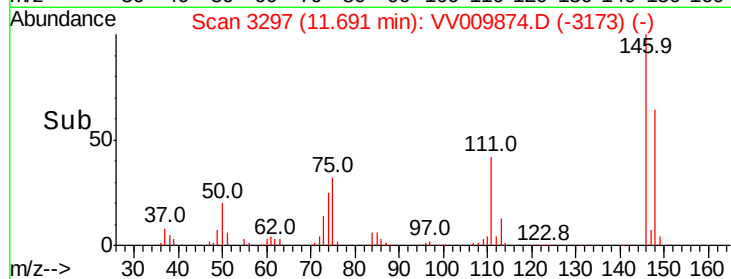
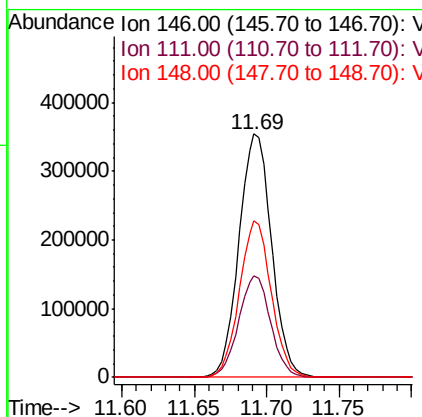
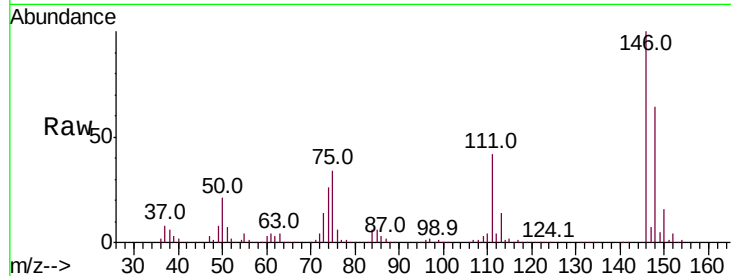




#65
 1,2-Dichlorobenzene
 Concen: 196.387 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009874.D
 Acq: 25 Mar 2019 20:46

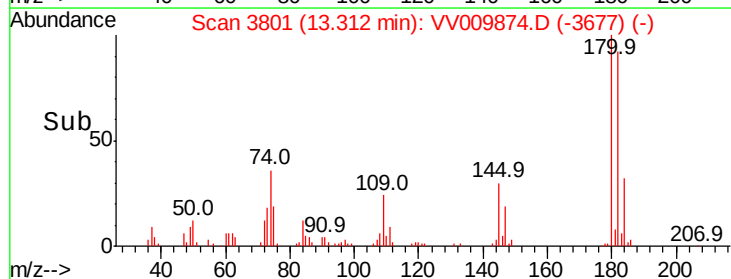
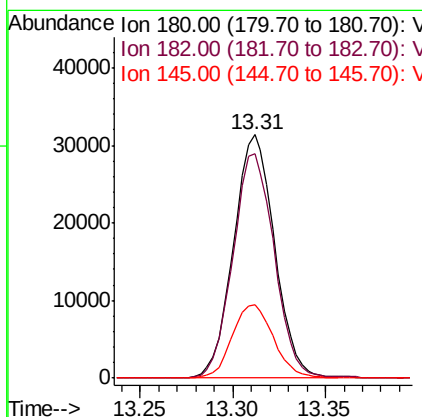
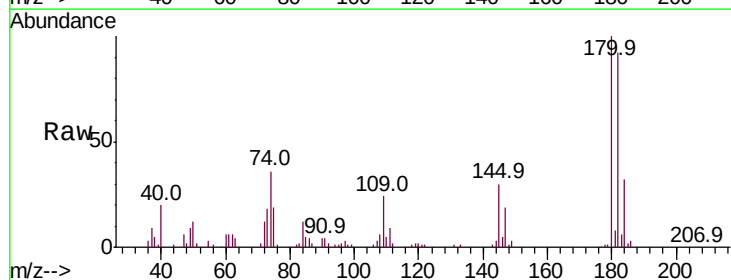
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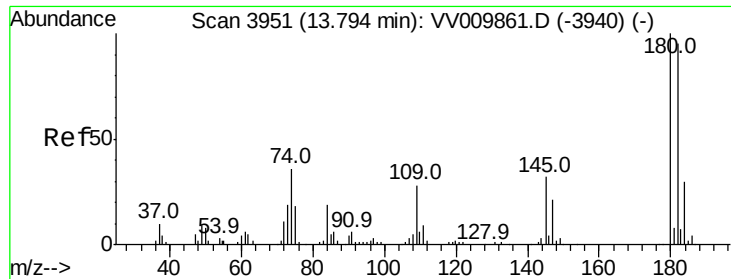
Tot Ion:146 Resp: 553110
 Ion Ratio Lower Upper
 146 100
 111 41.9 33.0 49.6
 148 64.2 53.2 79.8



#68
 1,2,4-trichlorobenzene
 Concen: 33.325 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009874.D
 Acq: 25 Mar 2019 20:46

Tgt Ion:180 Resp: 48295
 Ion Ratio Lower Upper
 180 100
 182 92.6 77.1 115.7
 145 30.3 24.3 36.5

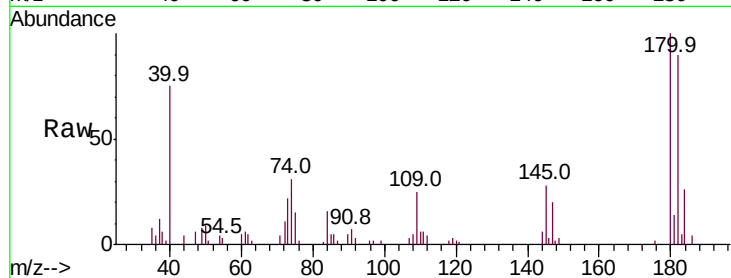




#70
 1,2,3-Trichlorobenzene
 Concen: 8.428 ug/L
 RT: 13.79 min Scan# 3951
 Delta R.T. 0.00 min
 Lab File: VV009874.D
 Acq: 25 Mar 2019 20:46

Instrument :
 MSVOA_V
 ClientSampleId :
 C0989DL

Tot Ion:180 Resp: 12356
 Ion Ratio Lower Upper
 180 100
 182 89.6 75.6 113.4
 145 30.0 24.8 37.2



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

