

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032519\
 Data File : VV009868.D
 Acq On : 25 Mar 2019 18:21
 Operator : SY/MD
 Sample : K2016-08DL 50X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0985DL

Quant Time: Mar 26 07:44:51 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	5.67	114	176769	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	174583	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	75546	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	88148	48.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.68%
7) Chloroethane-d5	1.56	69	96109	47.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.64%
11) 1,1-Dichloroethene-d2	2.12	63	184288	34.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.28%
21) 2-Butanone-d5	3.93	46	79583	98.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.79%
24) Chloroform-d	4.40	84	111556	44.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.90%
26) 1,2-Dichloroethane-d4	5.08	65	79042	47.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.22%
32) Benzene-d6	5.10	84	244423	51.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.16%
36) 1,2-Dichloropropane-d6	6.12	67	72696	49.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.46%
41) Toluene-d8	7.36	98	216668	46.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.38%
43) trans-1,3-Dichloropropene-	7.66	79	28728	43.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.04%
47) 2-Hexanone-d5	8.13	63	56821	94.83	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.83%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	100196	42.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.46%
64) 1,2-Dichlorobenzene-d4	11.67	152	82959	47.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

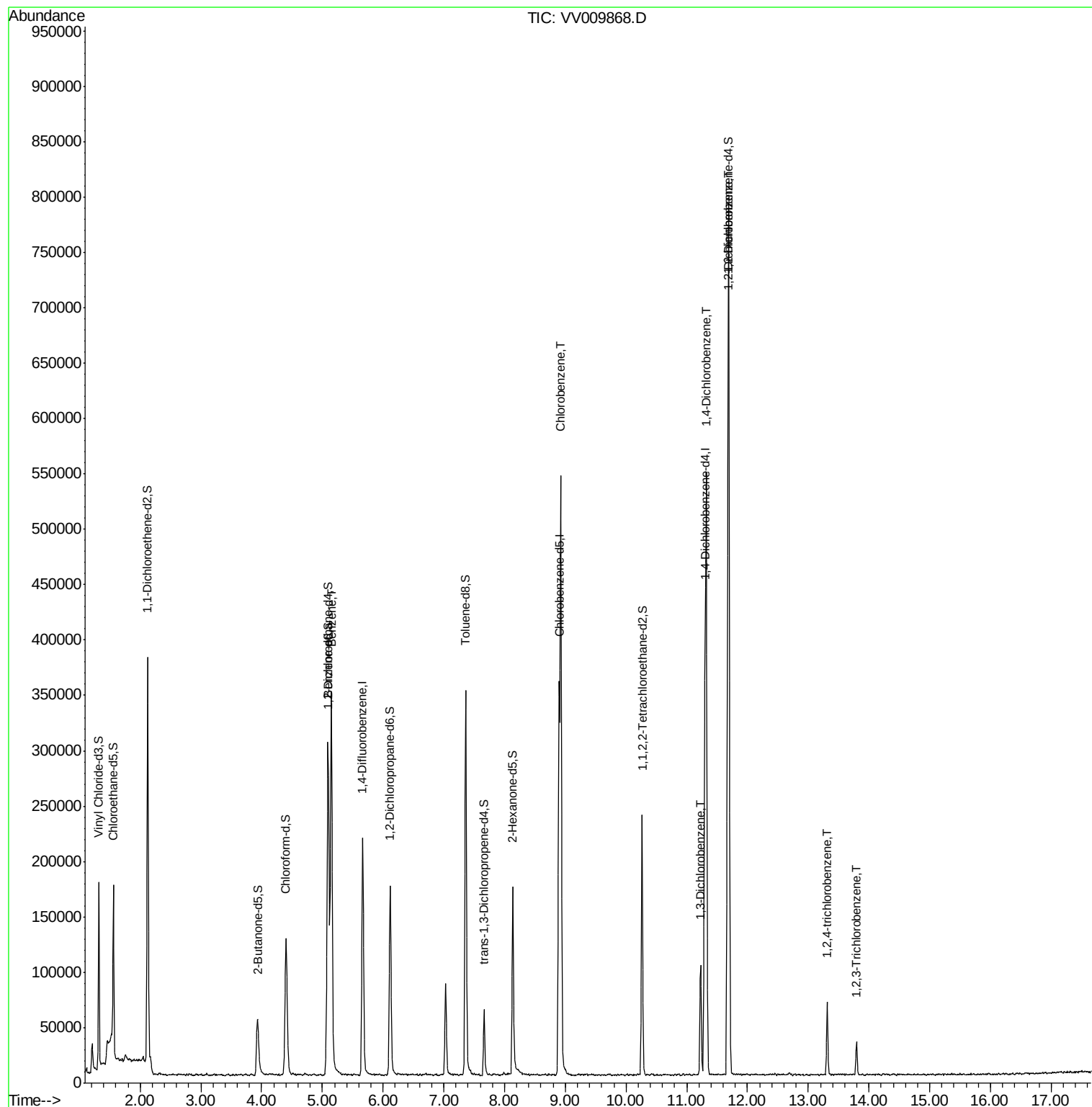
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
33) Benzene	5.15	78	329022	64.554	ug/L	100
51) Chlorobenzene	8.93	112	259936	67.317	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	36541	14.121	ug/L	91
63) 1,4-Dichlorobenzene	11.32	146	187379	69.062	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	253818	92.842	ug/L	95
68) 1,2,4-trichlorobenzene	13.31	180	17046	12.117	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	7756	5.450	ug/L	98

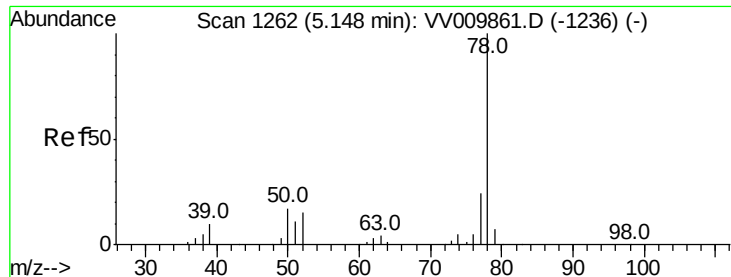
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#33

Benzene

Concen: 64.554 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV009868.D

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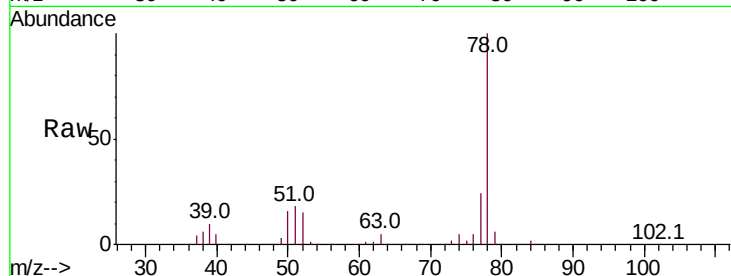
Instrument :

MSVOA_V

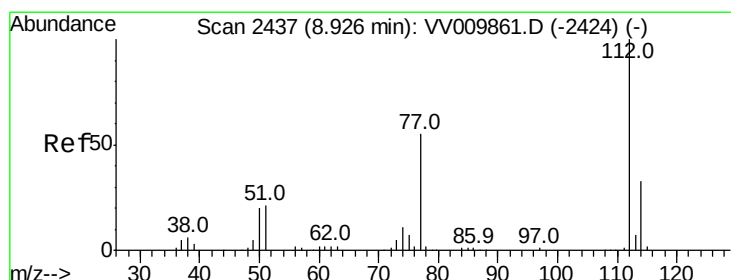
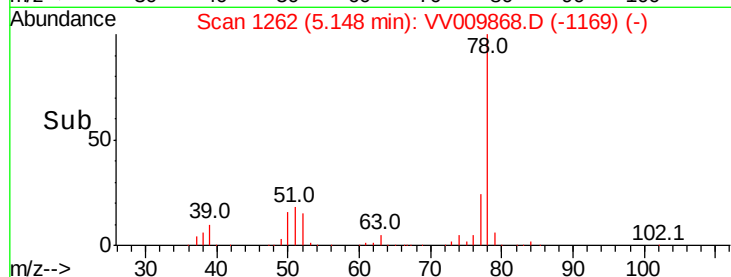
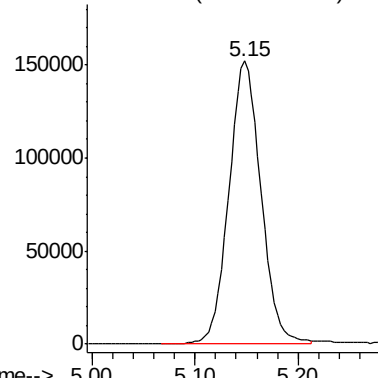
ClientSampleId :

C0985DL

Tgt Ion: 78 Resp: 329022



Abundance Ion 78.00 (77.70 to 78.70): VV0



#51

Chlorobenzene

Concen: 67.317 ug/L

RT: 8.93 min Scan# 2437

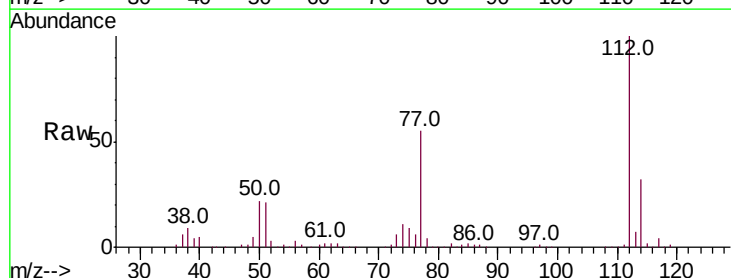
Delta R.T. 0.00 min

Lab File: VV009868.D

Acq: 25 Mar 2019 18:21

Tgt Ion: 112 Resp: 259936

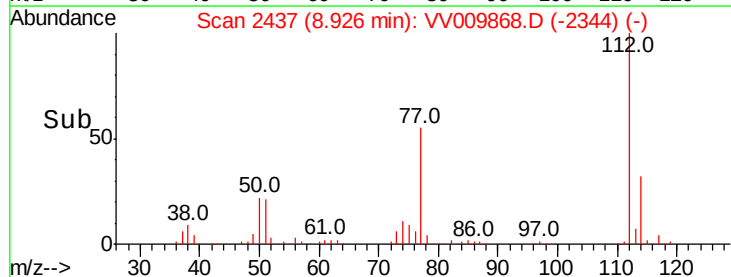
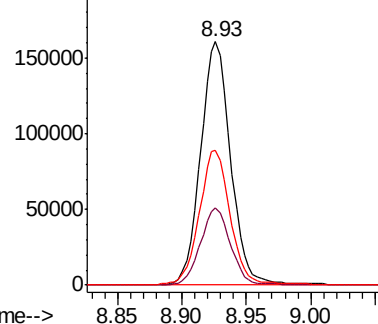
Ion	Ratio	Lower	Upper
112	100		
114	31.5	23.3	43.3
77	55.2	45.8	68.6

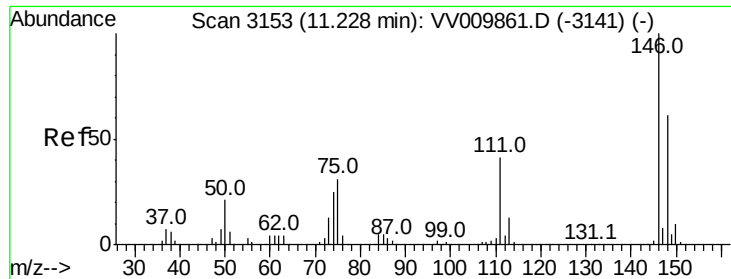


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 14.121 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV009868.D

Acq: 25 Mar 2019 18:21

Instrument :

MSVOA_V

ClientSampleId :

C0985DL

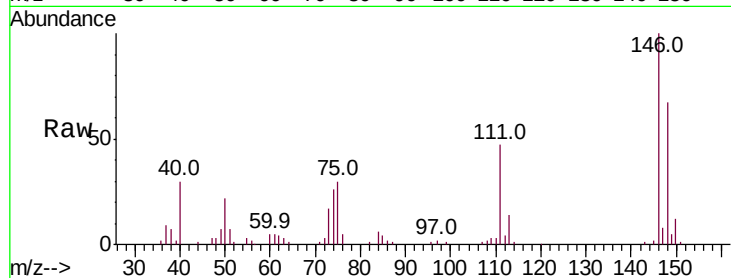
Tot Ion:146 Resp: 36541

Ion Ratio Lower Upper

146 100

111 46.7 27.5 51.1

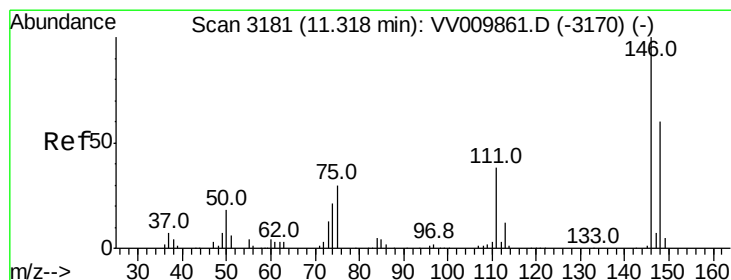
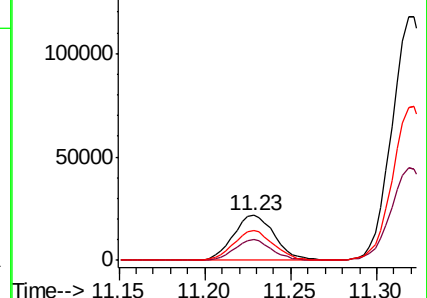
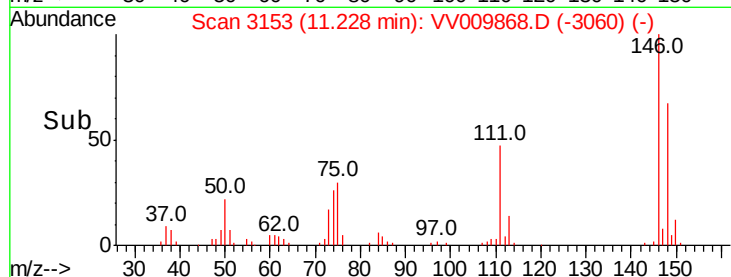
148 67.2 43.0 80.0



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: 69.062 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV009868.D

Acq: 25 Mar 2019 18:21

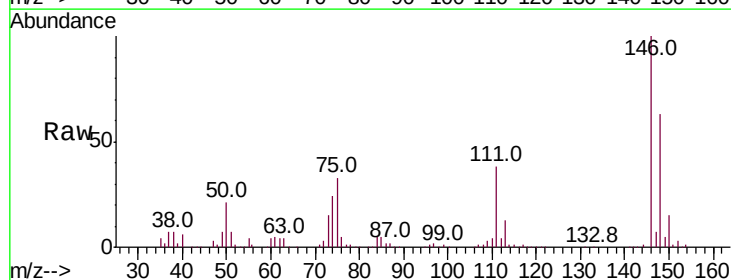
Tgt Ion:146 Resp: 187379

Ion Ratio Lower Upper

146 100

111 37.6 26.5 49.3

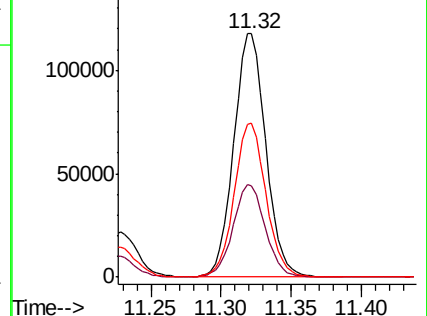
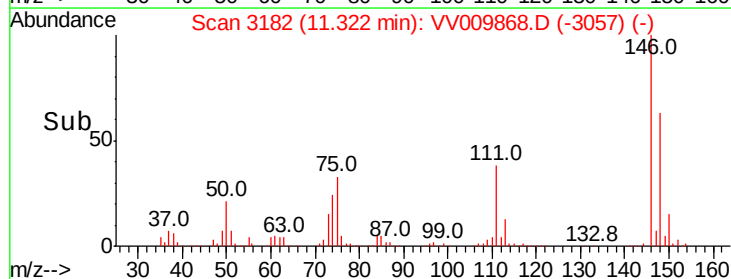
148 63.0 43.2 80.2

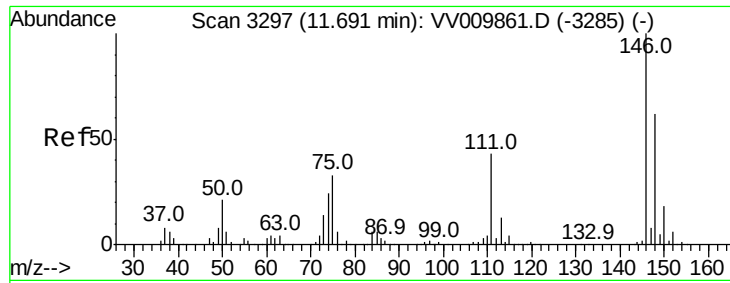


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

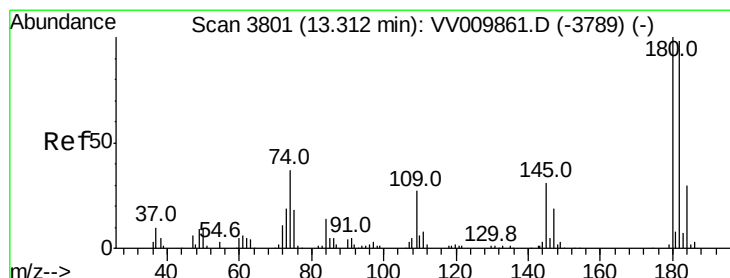
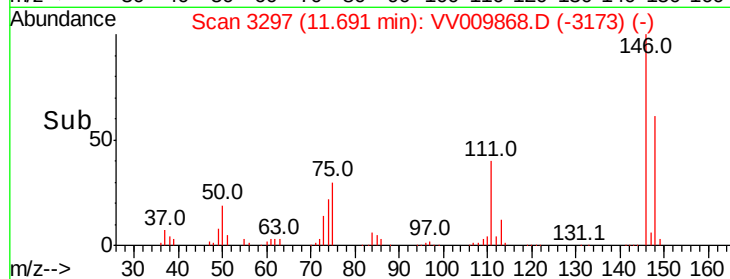
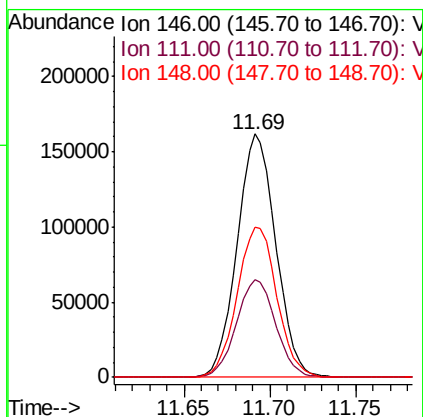
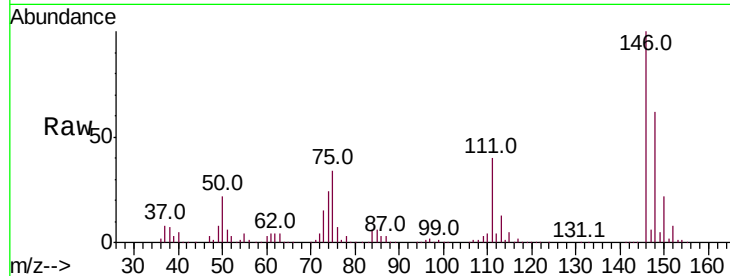




#65
 1,2-Dichlorobenzene
 Concen: 92.842 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009868.D
 Acq: 25 Mar 2019 18:21

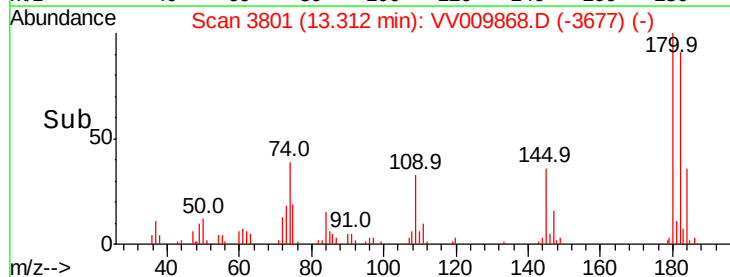
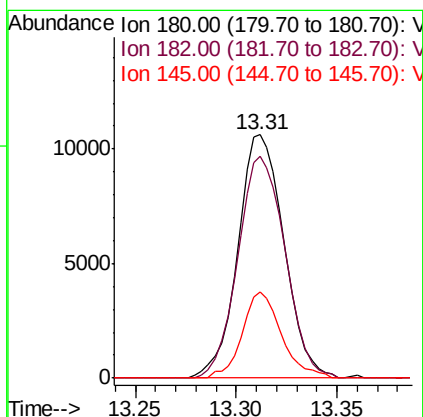
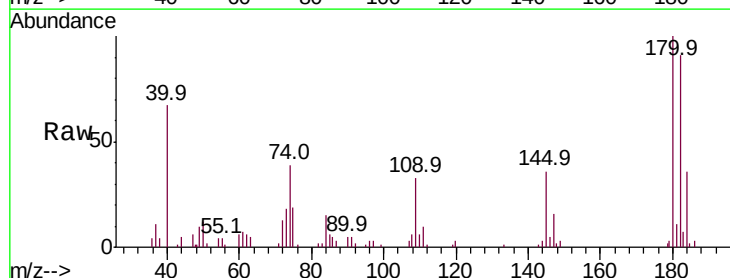
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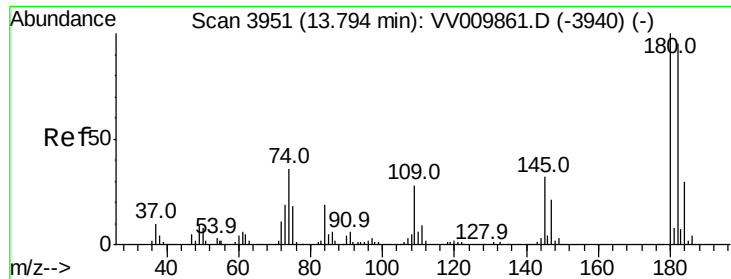
Tot Ion:146 Resp: 253818
 Ion Ratio Lower Upper
 146 100
 111 40.1 33.0 49.6
 148 61.5 53.2 79.8



#68
 1,2,4-trichlorobenzene
 Concen: 12.117 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009868.D
 Acq: 25 Mar 2019 18:21

Tgt Ion:180 Resp: 17046
 Ion Ratio Lower Upper
 180 100
 182 92.9 77.1 115.7
 145 30.1 24.3 36.5

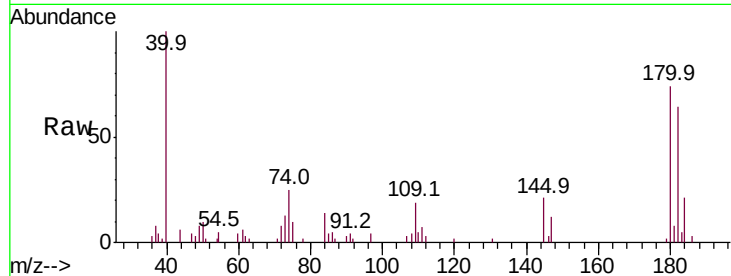




#70
 1,2,3-Trichlorobenzene
 Concen: 5.450 ug/L
 RT: 13.79 min Scan# 3951
 Delta R.T. 0.00 min
 Lab File: VV009868.D
 Acq: 25 Mar 2019 18:21

Instrument :
 MSVOA_V
 ClientSampleId :
 C0985DL

Tot Ion:180 Resp: 7756
 Ion Ratio Lower Upper
 180 100
 182 91.5 75.6 113.4
 145 31.2 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

