

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 07:18:04 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

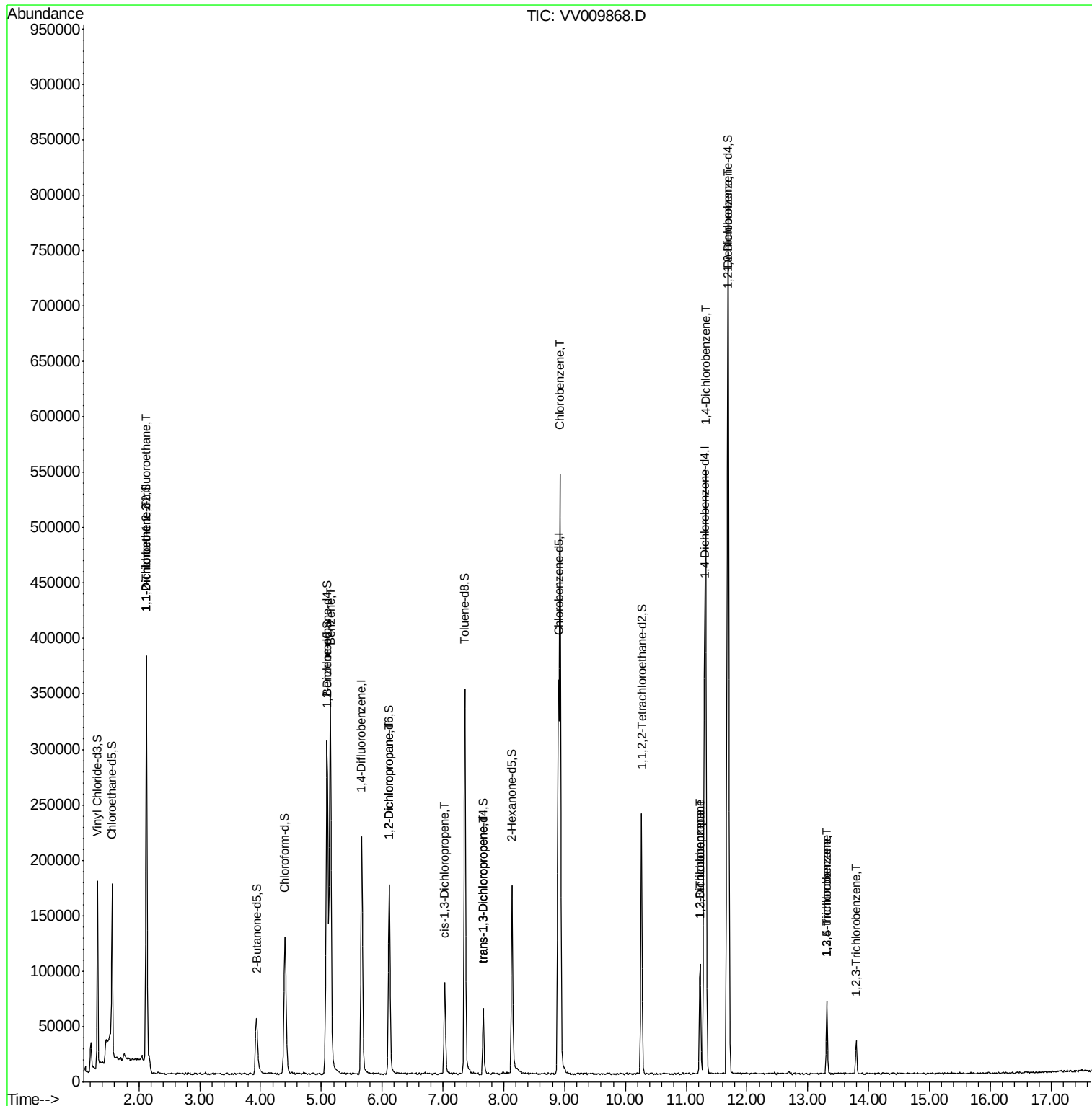
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1685	0.621	ug/L #	23
12) 1,1-Dichloroethene	2.13	96	1364	0.568	ug/L #	1
33) Benzene	5.15	78	329022	64.554	ug/L	100
37) 1,2-Dichloropropane	6.12	63	9560	7.288	ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	2560	1.356	ug/L #	77
44) trans-1,3-Dichloropropene	7.67	75	2028	1.156	ug/L	90
51) Chlorobenzene	8.93	112	259936	67.317	ug/L	97
59) 1,2,3-Trichloropropane	11.23	75	11241	6.354	ug/L #	44
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
67) 1,3,5-Trichlorobenzene	13.31	180	17046	9.655	ug/L	98
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

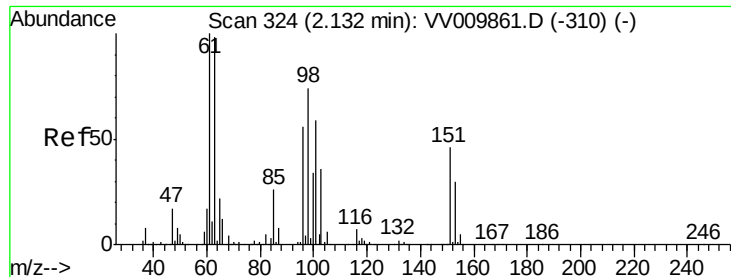
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.621 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV009868.D

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Instrument :

MSVOA_V

ClientSampleId :

C0985DL

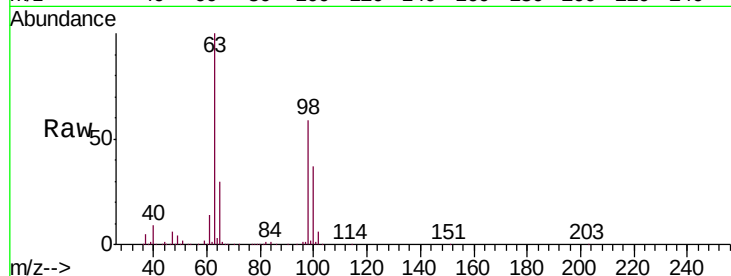
Tgt Ion: 101 Resp: 1685

Ion Ratio Lower Upper

101 100

85 4.5 37.0 55.4#

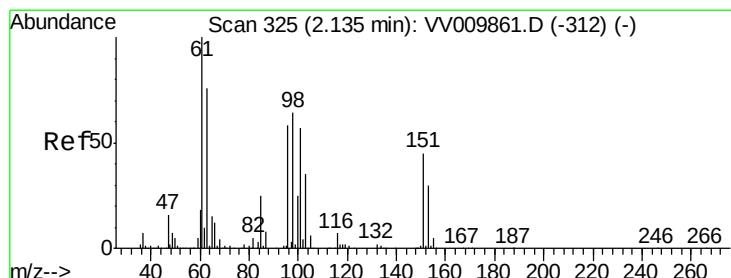
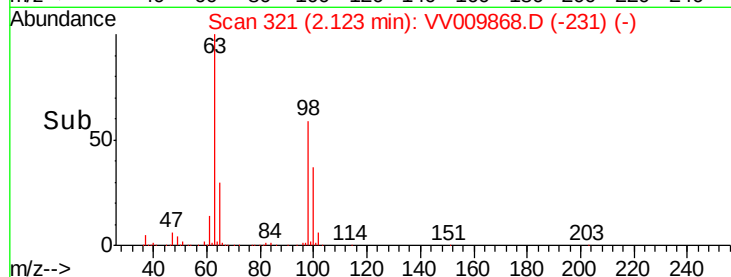
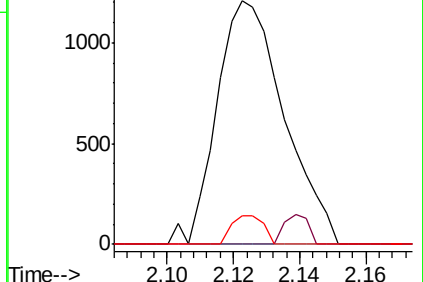
151 5.6 65.4 98.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.568 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV009868.D

Acq: 25 Mar 2019 18:21

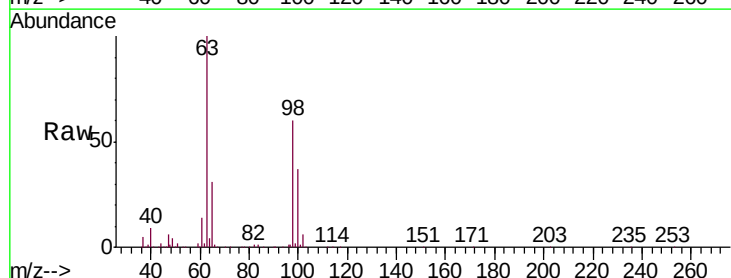
Tgt Ion: 96 Resp: 1364

Ion Ratio Lower Upper

96 100

61 2090.5 125.3 232.7#

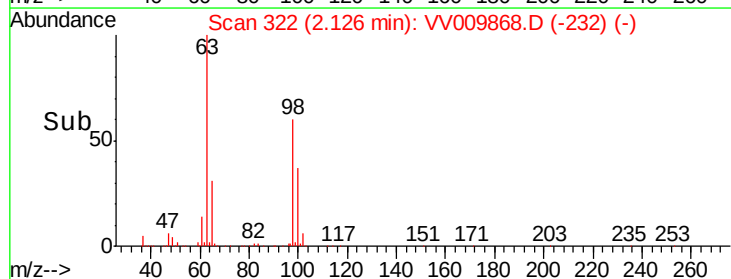
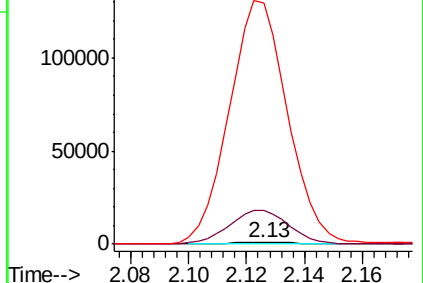
63 14860.2 109.7 203.7#

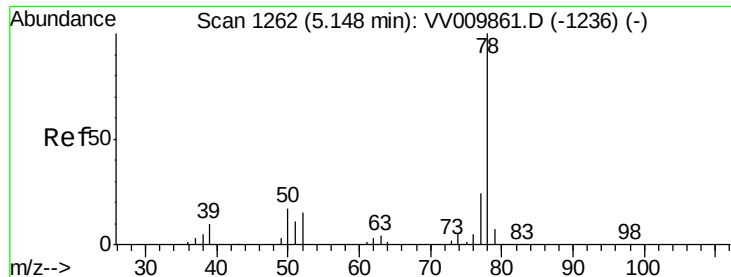


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#33

Benzene

Concen: 64.554 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV009868.D

Acq: 25 Mar 2019 18:21

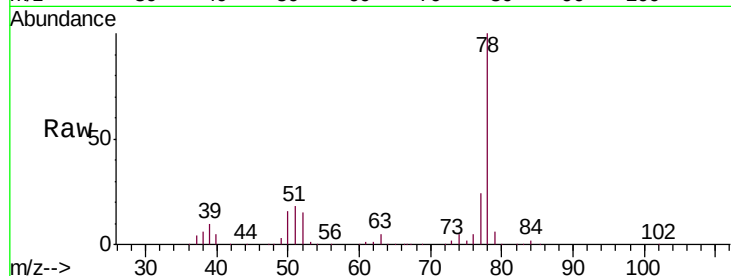
Instrument :

MSVOA_V

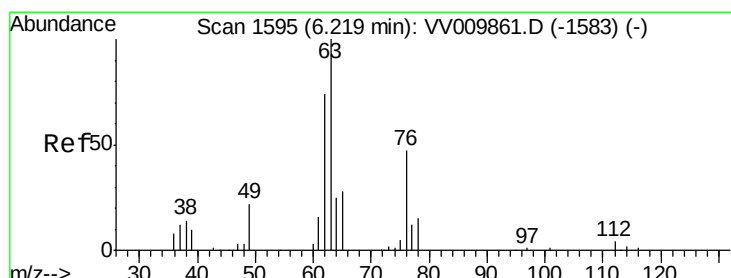
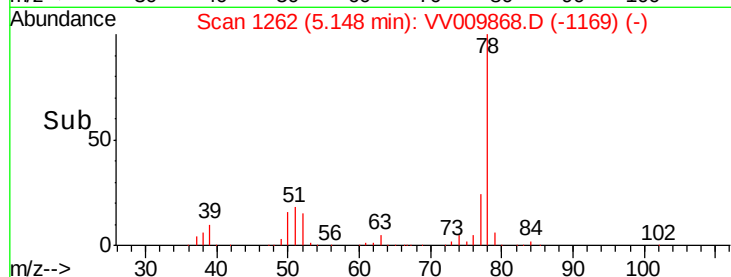
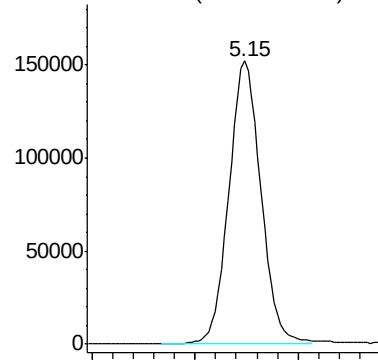
ClientSampleID :

C0985DL

Tgt Ion: 78 Resp: 329022



Abundance Ion 78.00 (77.70 to 78.70): VV0



#37

1,2-Dichloropropane

Concen: 7.288 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV009868.D

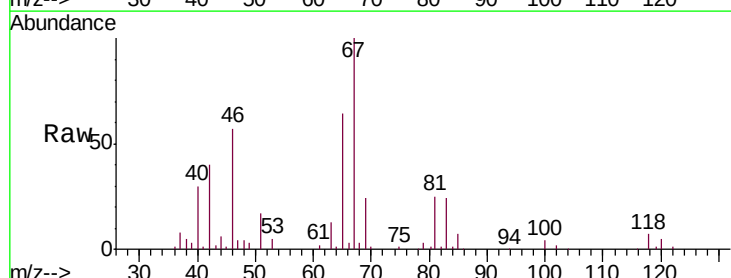
Acq: 25 Mar 2019 18:21

Tgt Ion: 63 Resp: 9560

Ion Ratio Lower Upper

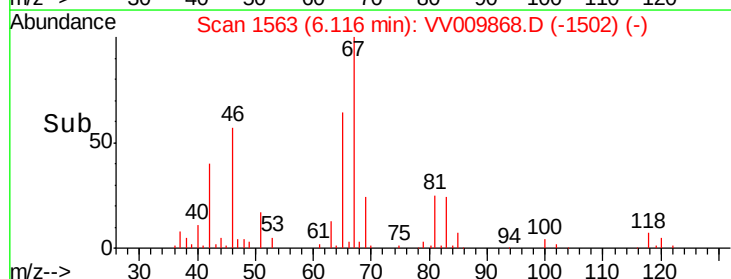
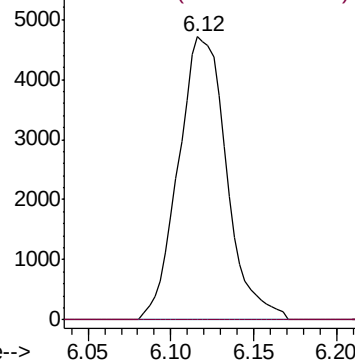
63 100

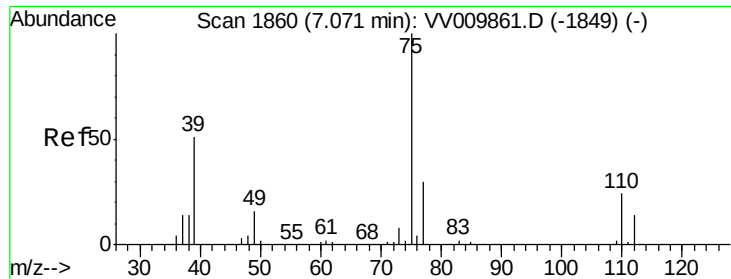
112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V

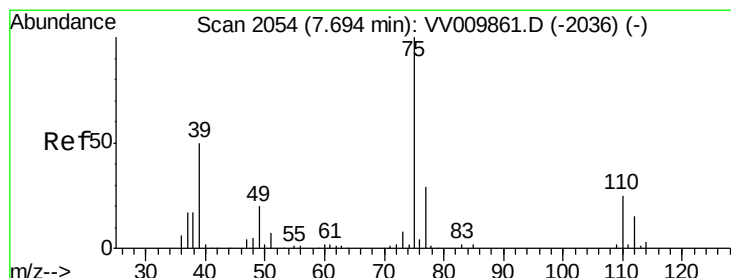
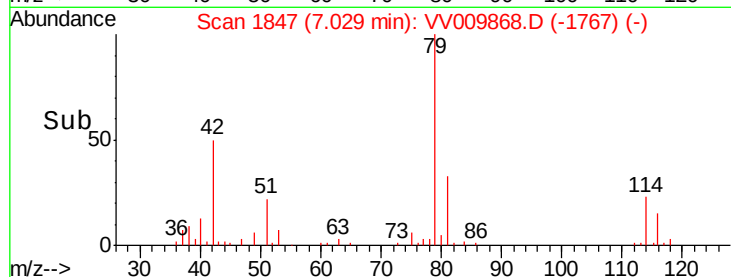
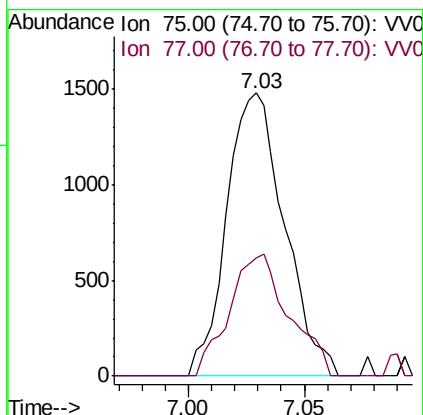
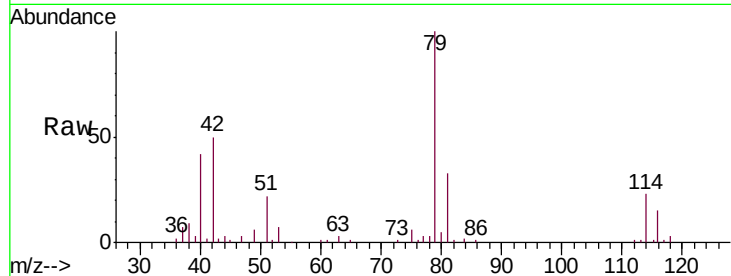




#39
 cis-1,3-Dichloropropene
 Concen: 1.356 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV009868.D
 Acq: 25 Mar 2019 18:21

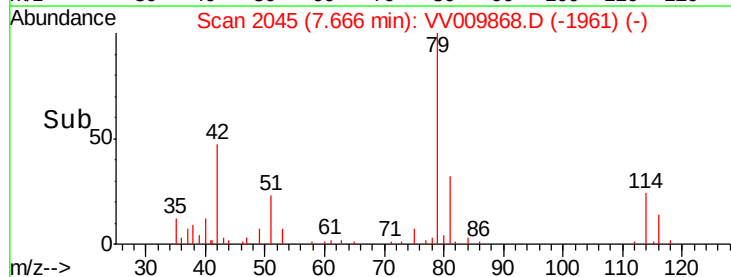
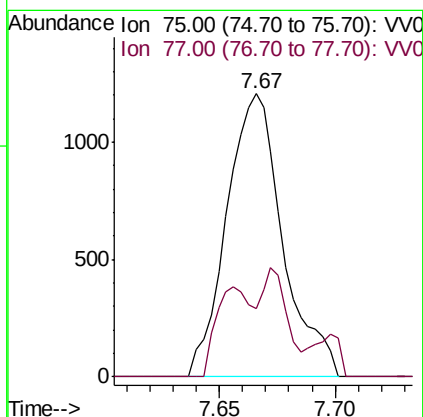
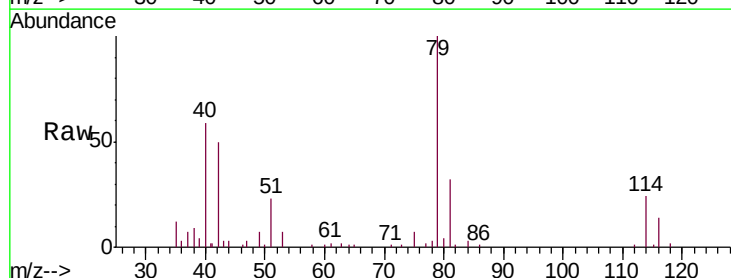
Instrument :
 MSVOA_V
 ClientSampleId :
 C0985DL

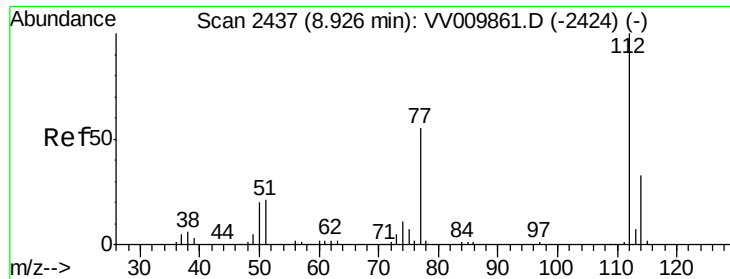
Tgt Ion: 75 Resp: 2560
 Ion Ratio Lower Upper
 75 100
 77 41.7 20.5 38.1#



#44
 trans-1,3-Dichloropropene
 Concen: 1.156 ug/L
 RT: 7.67 min Scan# 2045
 Delta R.T. -0.03 min
 Lab File: VV009868.D
 Acq: 25 Mar 2019 18:21

Tgt Ion: 75 Resp: 2028
 Ion Ratio Lower Upper
 75 100
 77 24.3 20.7 38.5

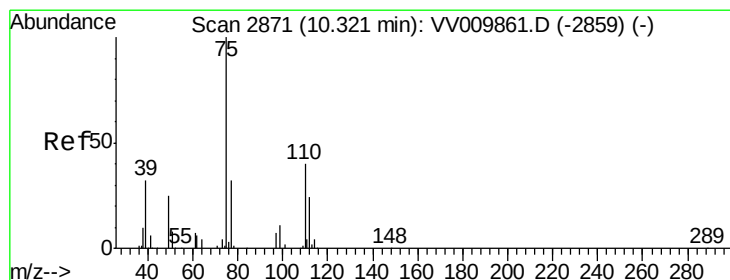
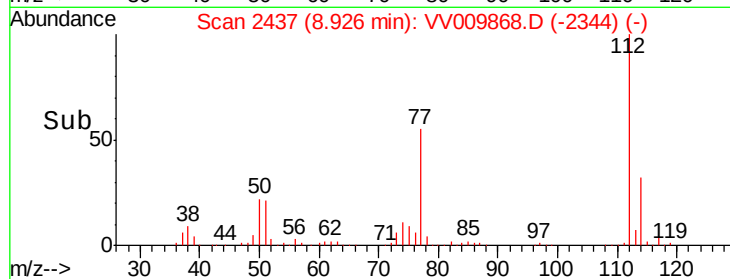
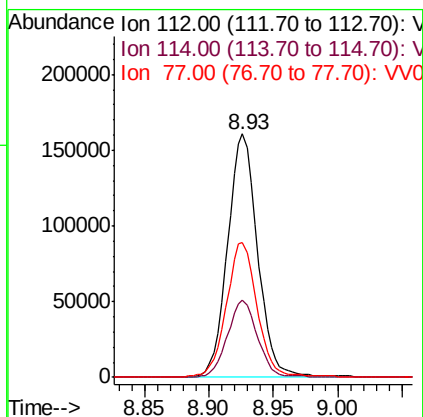
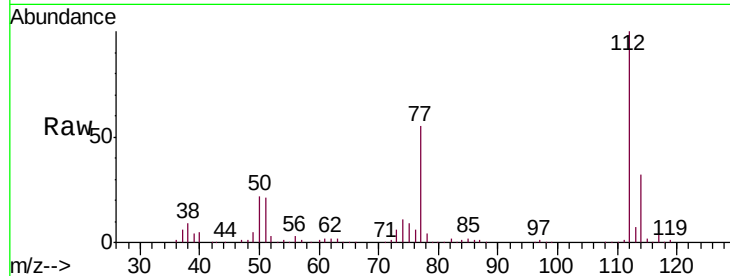




#51
Chlorobenzene
Concen: 67.317 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009868.D
Acq: 25 Mar 2019 18:21

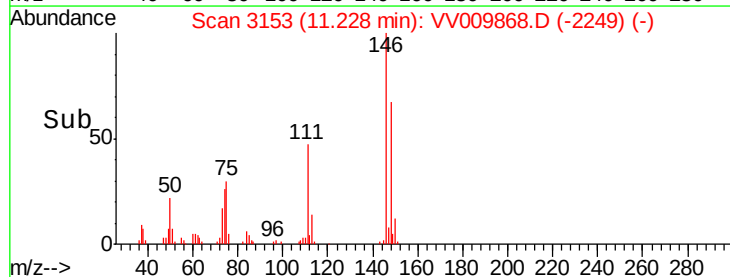
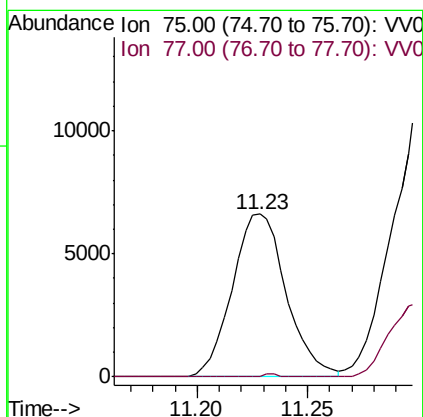
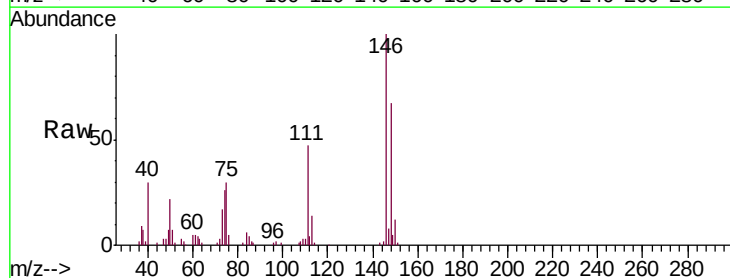
Instrument :
MSVOA_V
ClientSampleId :
C0985DL

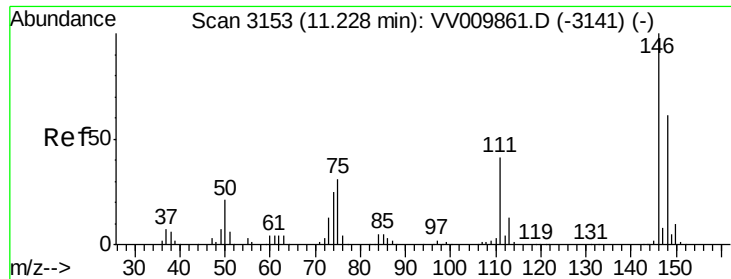
Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	23.3	43.3
77	55.2	45.8	68.6



#59
1,2,3-Trichloropropane
Concen: 6.354 ug/L
RT: 11.23 min Scan# 3153
Delta R.T. 0.91 min
Lab File: VV009868.D
Acq: 25 Mar 2019 18:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.4	25.4	38.0#





#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

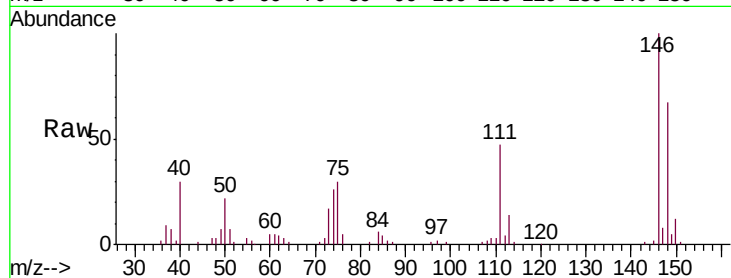
Tgt Ion:146 Resp: 36541

Ion Ratio Lower Upper

146 100

111 46.7 27.5 51.1

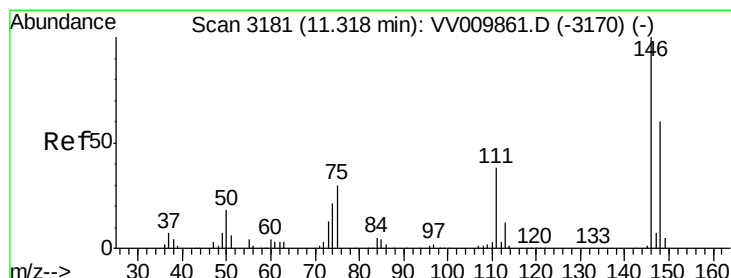
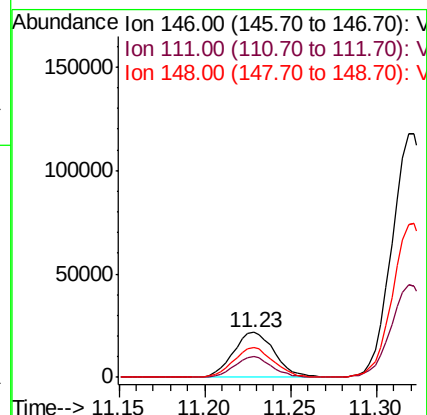
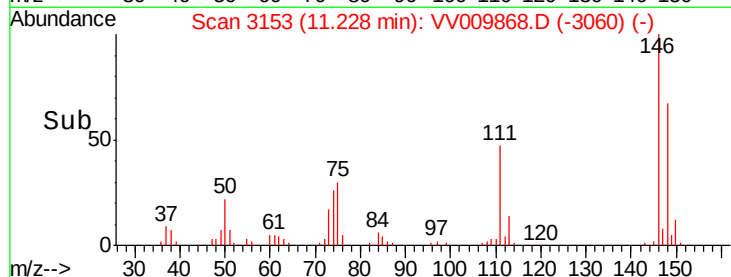
148 67.2 43.0 80.0



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

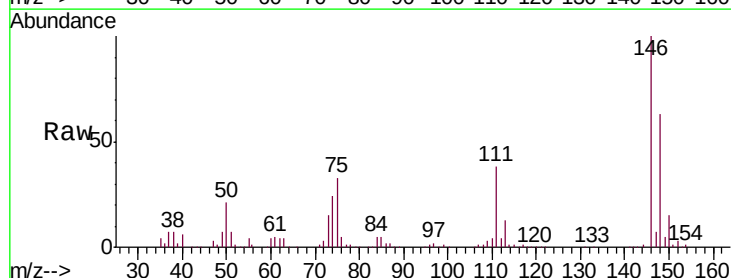
Tgt Ion:146 Resp: 187379

Ion Ratio Lower Upper

146 100

111 37.6 26.5 49.3

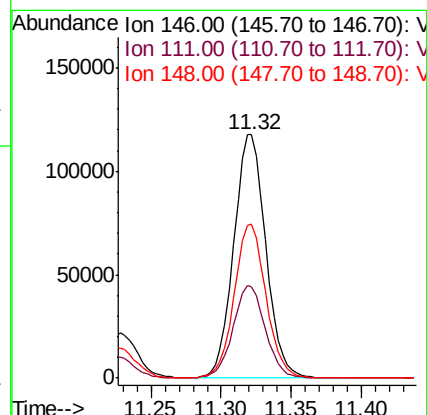
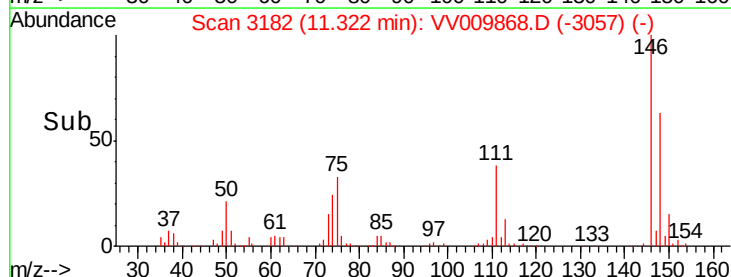
148 63.0 43.2 80.2

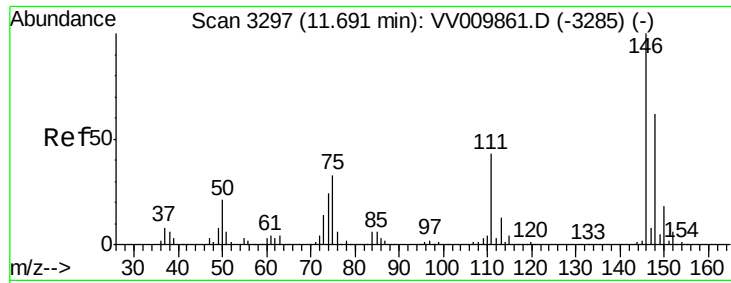


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

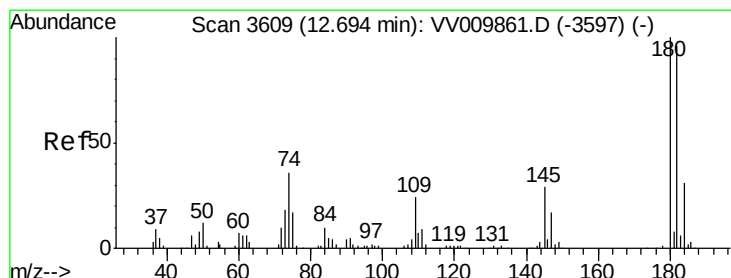
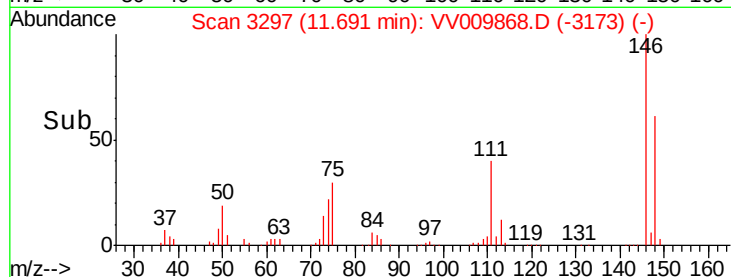
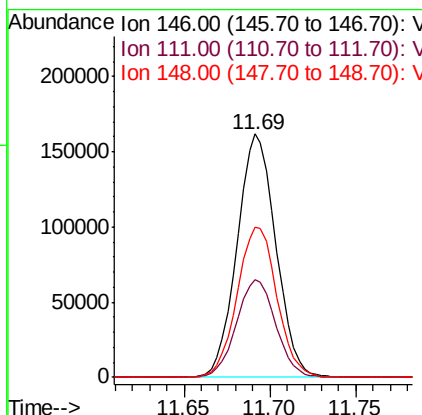
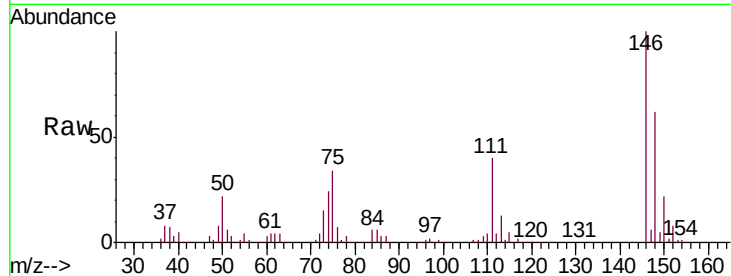




#65
 1,2-Dichlorobenzene
 Concen: 92.842 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009868.D
 Acq: 25 Mar 2019 18:21

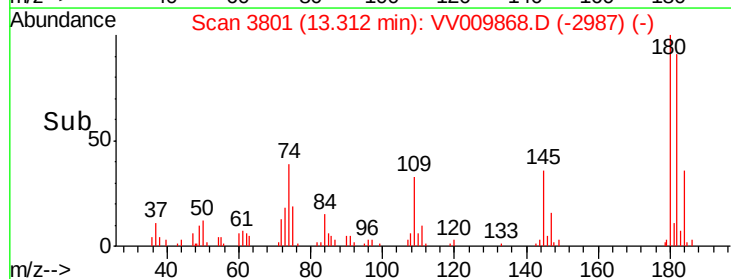
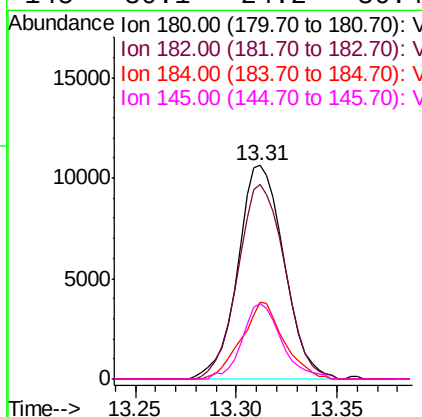
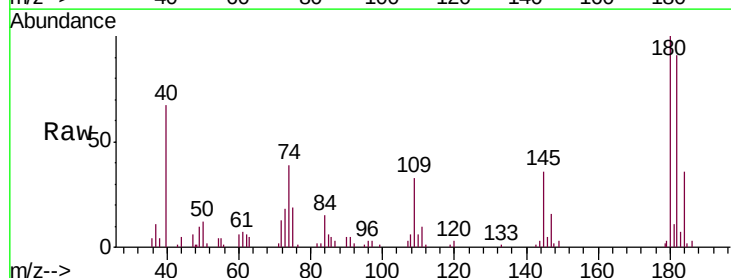
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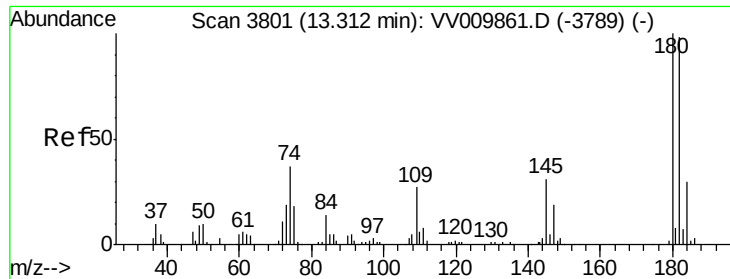
Tgt Ion:146 Resp: 253818
 Ion Ratio Lower Upper
 146 100
 111 40.1 33.0 49.6
 148 61.5 53.2 79.8



#67
 1,3,5-Trichlorobenzene
 Concen: 9.655 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.62 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 75.0 112.6
 184 33.0 24.1 36.1
 145 30.1 24.2 36.4

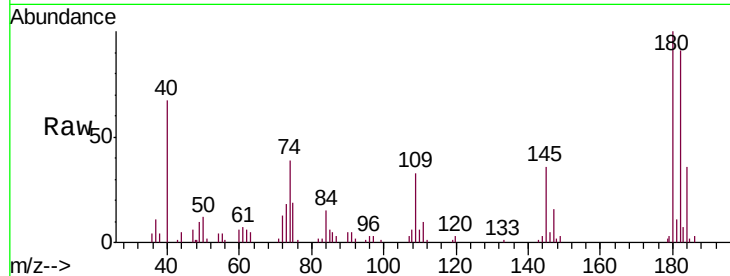




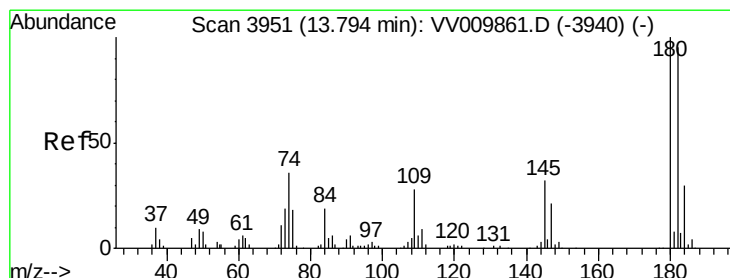
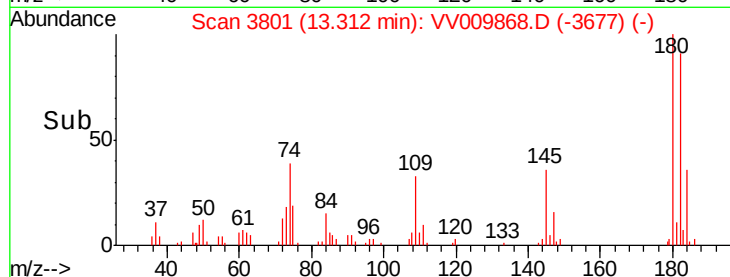
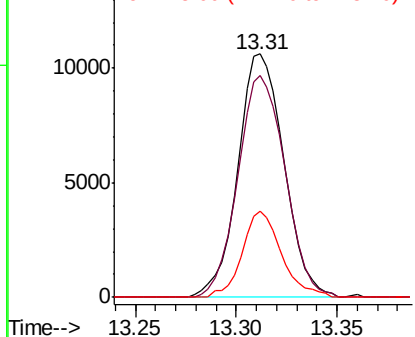
#68
 1,2,4-trichlorobenzene
 Concen: 12.117 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009868.D
 Acq: 25 Mar 2019 18:21

Instrument :
 MSVOA_V
 ClientSampled :
 C0985DL

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

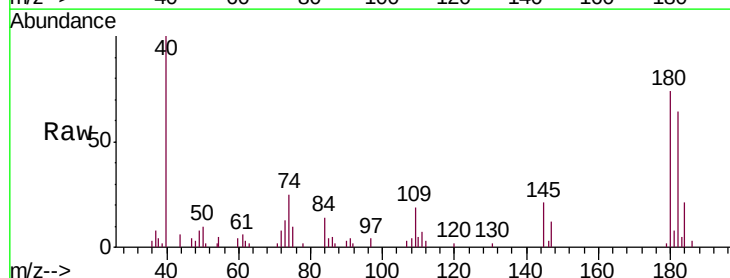


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 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

Tgt 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

