

Data File : VV008983.D
Acq On : 17 Dec 2018 16:53
Operator : SY/MD
Sample : J6367-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COL38

Quant Time: Dec 18 01:51:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121318WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 18 01:46:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	205052	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	188099	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	81247	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	58102	48.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.04%
7) Chloroethane-d5	1.57	69	47113	62.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	125.04%
11) 1,1-Dichloroethene-d2	2.13	63	111673	39.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.98%
21) 2-Butanone-d5	3.93	46	91529	114.48	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.48%
24) Chloroform-d	4.41	84	122618	47.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.98%
26) 1,2-Dichloroethane-d4	5.08	65	81096	49.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.66%
32) Benzene-d6	5.10	84	258161	50.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.86%
36) 1,2-Dichloropropane-d6	6.12	67	78568	51.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.16%
41) Toluene-d8	7.36	98	236448	49.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.38%
43) trans-1,3-Dichloropropene-	7.67	79	38129	49.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.72%
47) 2-Hexanone-d5	8.14	63	58319	103.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.45%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	95307	48.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.92%
64) 1,2-Dichlorobenzene-d4	11.68	152	87111	51.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.96%

Target Compounds

					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1202	0.859	ug/L #	26
12) 1,1-Dichloroethene	2.13	96	1100	0.864	ug/L #	1
13) Acetone	2.19	43	3099	2.578	ug/L	85
14) Carbon disulfide	2.32	76	2252	0.648	ug/L #	90
34) Trichloroethene	5.97	95	1566	1.046	ug/L	87
44) trans-1,3-Dichloropropene	7.66	75	1562	0.784	ug/L #	53
48) 2-Hexanone	8.18	43	2665	2.066	ug/L #	70
58) 1,1,2,2-Tetrachloroethane	10.28	83	1097	0.550	ug/L #	20
59) 1,2,3-Trichloropropane	11.30	75	9319	5.520	ug/L	91
62) 1,3-Dichlorobenzene	11.23	146	1441	0.553	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	2269	0.865	ug/L	97
65) 1,2-Dichlorobenzene	11.70	146	1928	0.729	ug/L	93
67) 1,3,5-Trichlorobenzene	12.70	180	1062	0.633	ug/L #	64
68) 1,2,4-trichlorobenzene	13.31	180	883	0.767	ug/L	87
69) Naphthalene	13.56	128	3928	1.364	ug/L #	84

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121718\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Tue Dec 18 01:46:20 2018
Response via : Initial Calibration

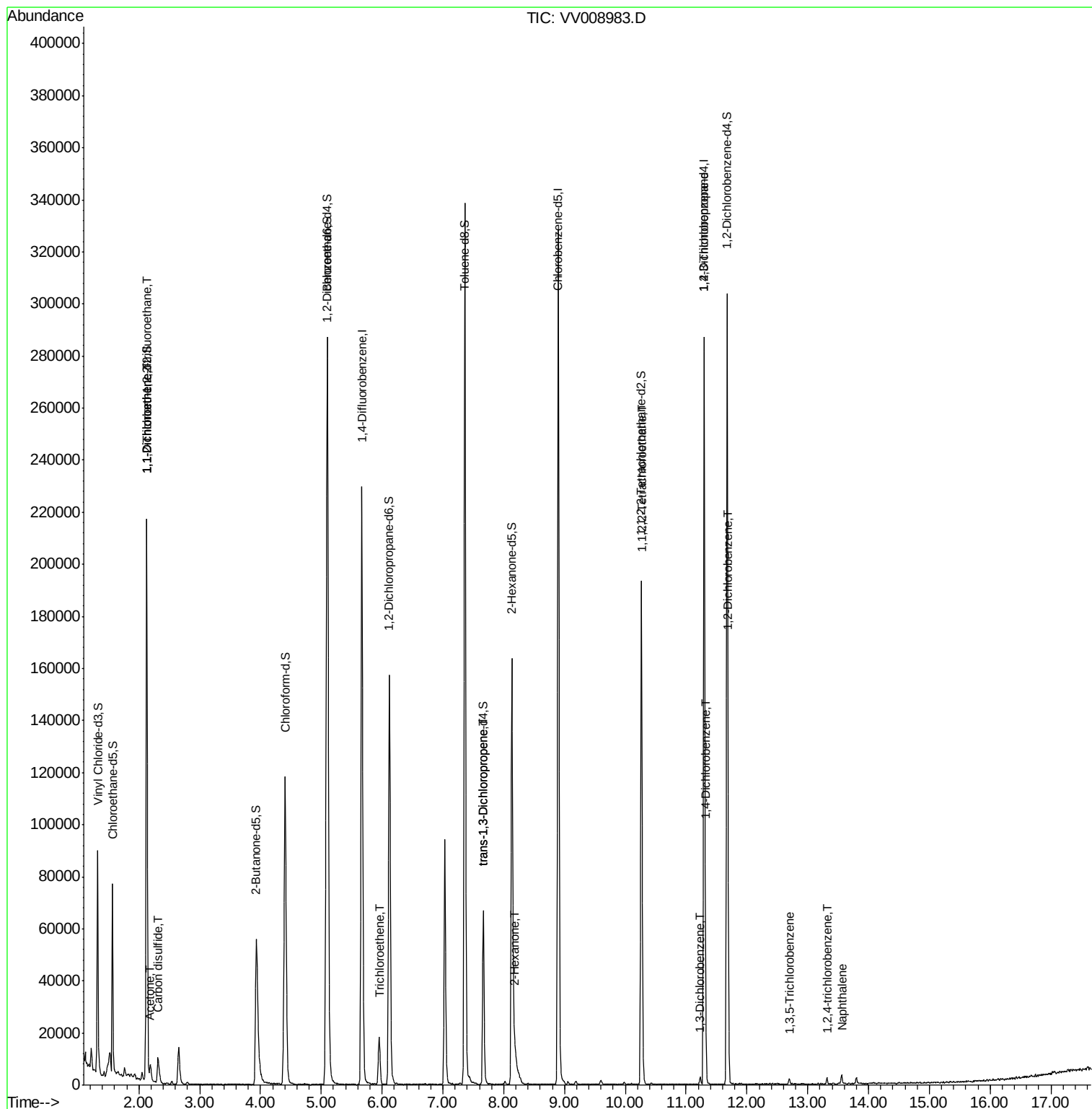
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

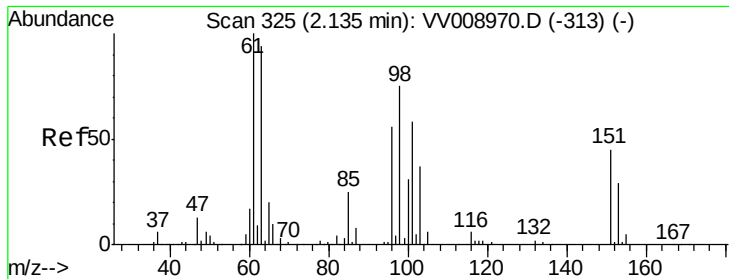
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#10

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

Concen: 0.859 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV008983.D

Acq: 17 Dec 2018 16:53

Instrument :

MSVOA_V

ClientSampleId :

COL38

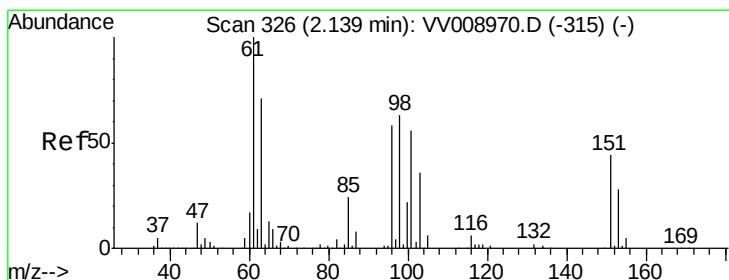
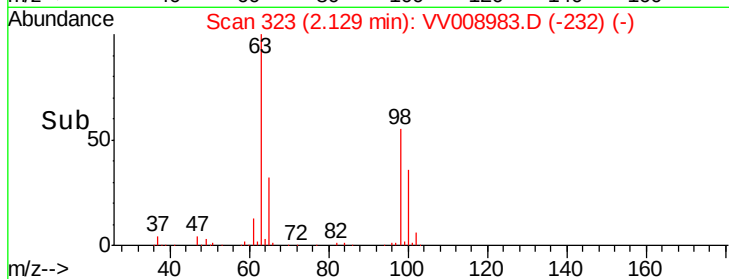
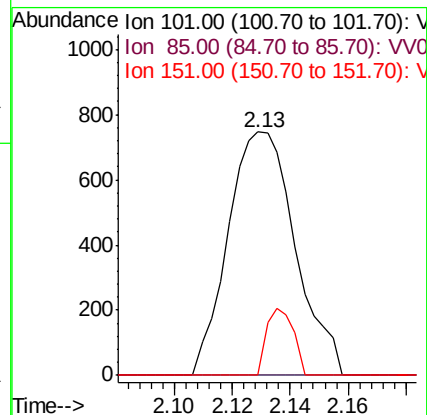
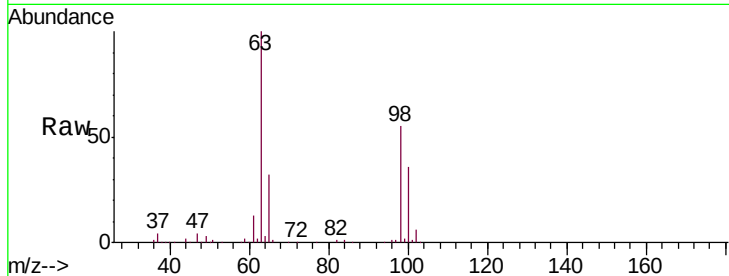
Tgt Ion: 101 Resp: 1202

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

151 10.9 63.8 95.8#



#12

1,1-Dichloroethene

Concen: 0.864 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV008983.D

Acq: 17 Dec 2018 16:53

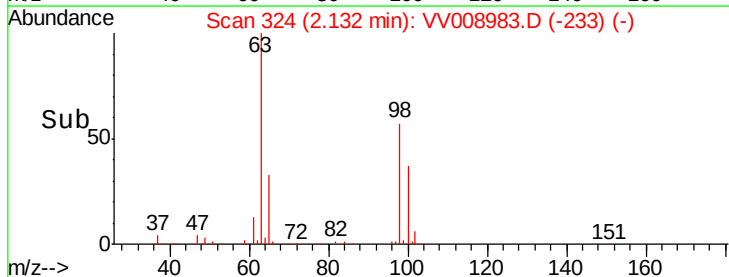
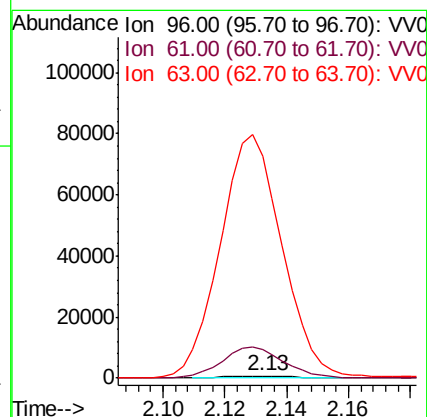
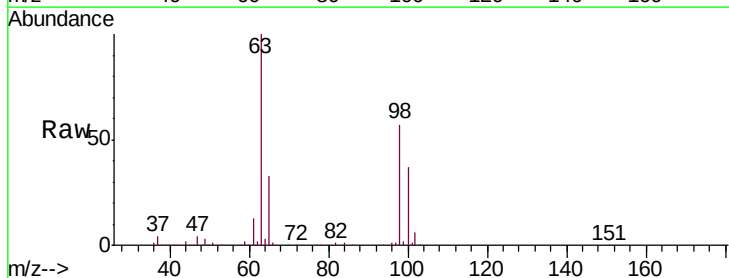
Tgt Ion: 96 Resp: 1100

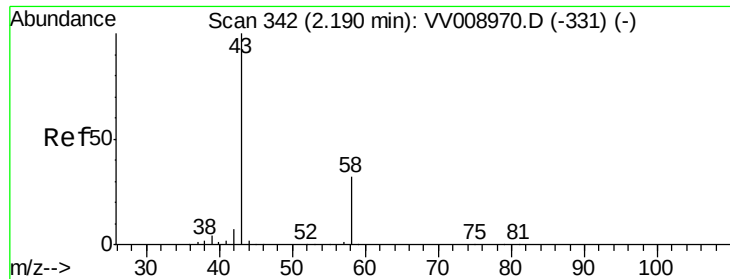
Ion Ratio Lower Upper

96 100

61 1255.6 119.1 221.3#

63 9636.1 96.0 178.2#





#13

Acetone

Concen: 2.578 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV008983.D

Acq: 17 Dec 2018 16:53

Instrument :

MSVOA_V

ClientSampled :

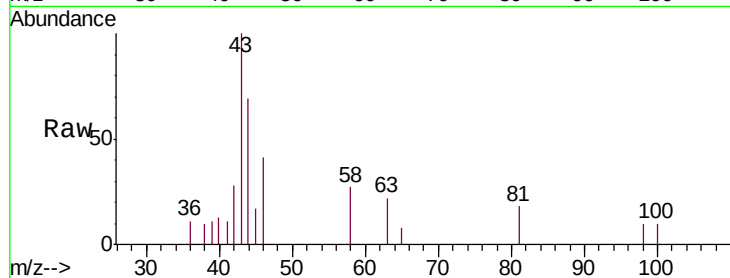
COL38

Tgt Ion: 43 Resp: 3099

Ion Ratio Lower Upper

43 100

58 22.7 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VV008970.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV008970.D (-331) (-)

2000

1500

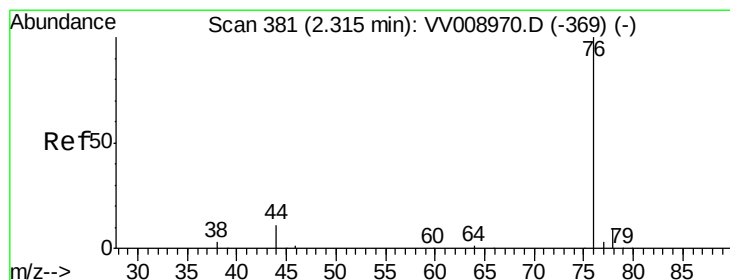
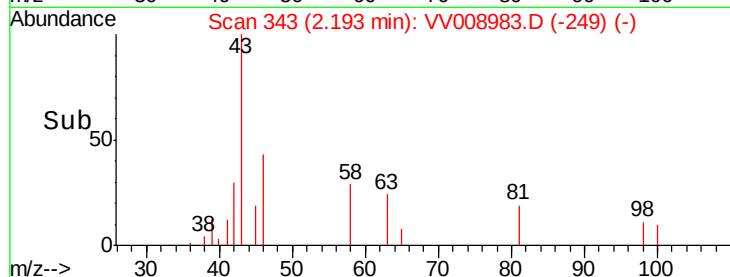
1000

500

0

2.15 2.20

Time-->



#14

Carbon disulfide

Concen: 0.648 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008983.D

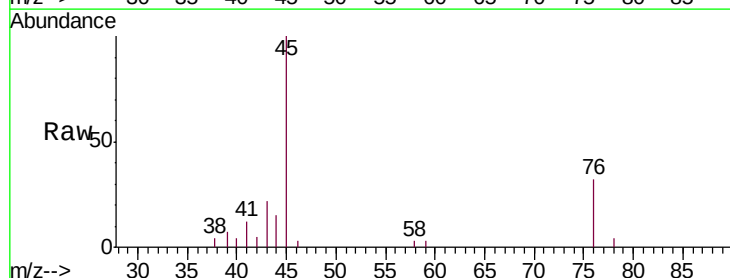
Acq: 17 Dec 2018 16:53

Tgt Ion: 76 Resp: 2252

Ion Ratio Lower Upper

76 100

78 12.7 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VV008970.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV008970.D (-369) (-)

1500

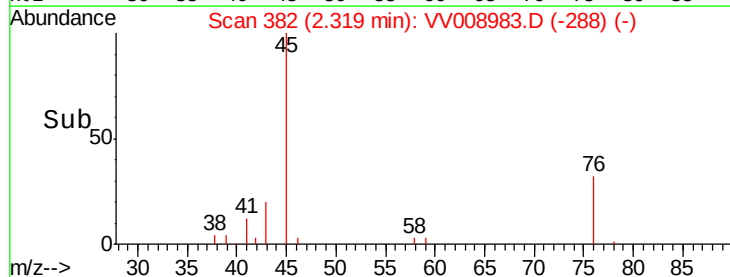
1000

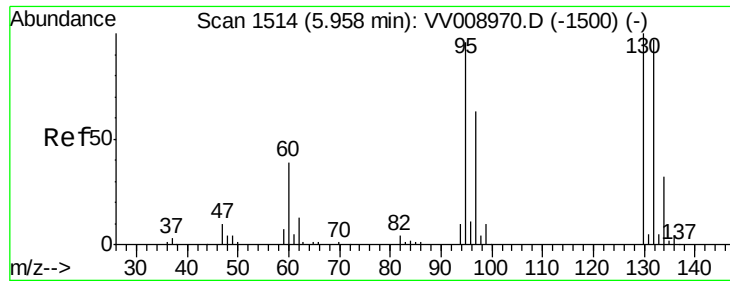
500

0

2.28 2.30 2.32 2.34 2.36

Time-->





#34

Trichloroethene

Concen: 1.046 ug/L

RT: 5.97 min Scan# 1517

Delta R.T. 0.01 min

Lab File: VV008983.D

Acq: 17 Dec 2018 16:53

Instrument :

MSVOA_V

ClientSampleId :

COL38

Tgt Ion: 95 Resp: 1566

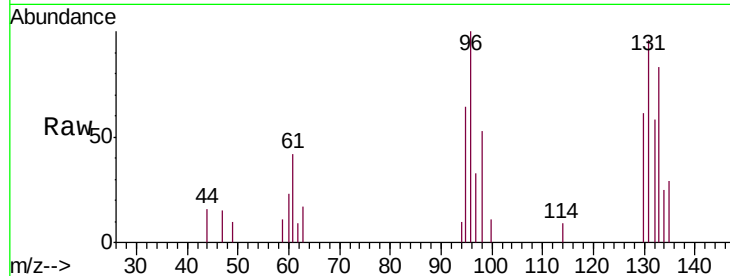
Ion Ratio Lower Upper

95 100

97 51.9 45.7 84.9

132 90.9 72.2 134.2

130 94.5 73.8 137.2

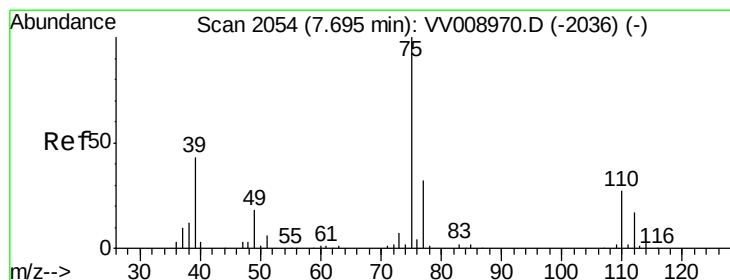
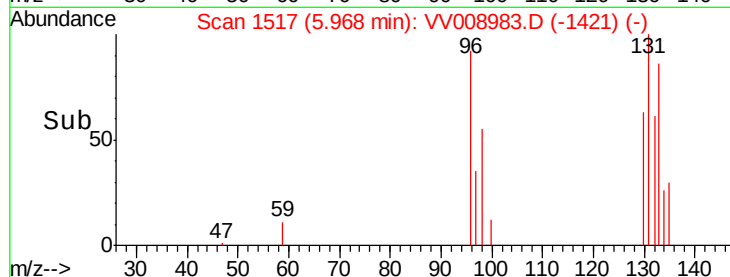
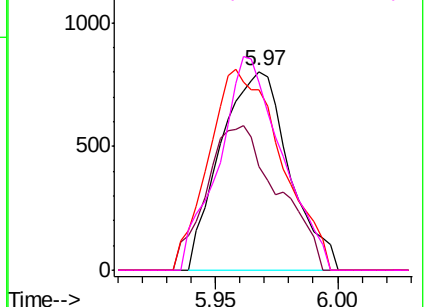


Abundance Ion 95.00 (94.70 to 95.70): VV008970.D (-1500) (-)

Ion 97.00 (96.70 to 97.70): VV008970.D (-1500) (-)

Ion 132.00 (131.70 to 132.70): VV008970.D (-1500) (-)

Ion 130.00 (129.70 to 130.70): VV008970.D (-1500) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.784 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV008983.D

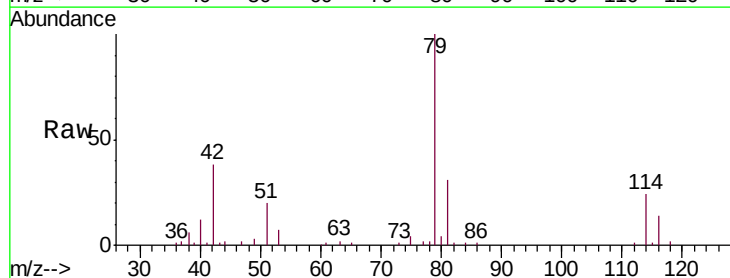
Acq: 17 Dec 2018 16:53

Tgt Ion: 75 Resp: 1562

Ion Ratio Lower Upper

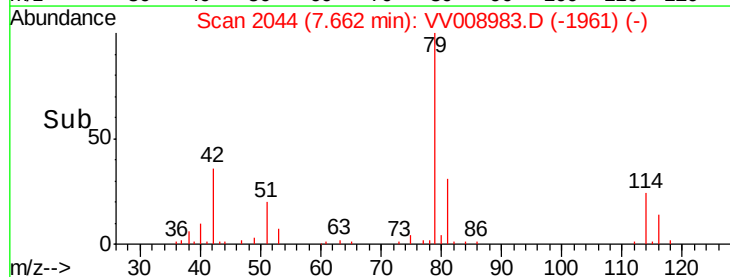
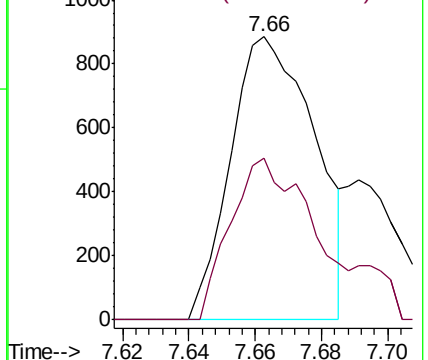
75 100

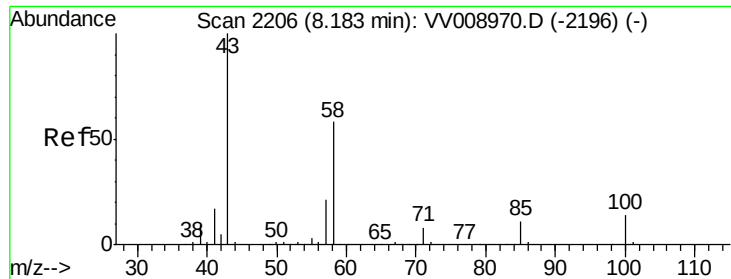
77 56.9 21.6 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VV008970.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV008970.D (-2036) (-)

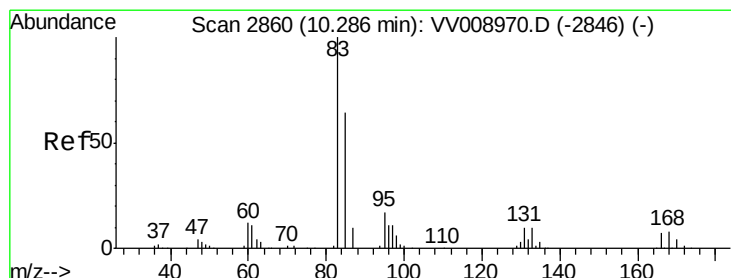
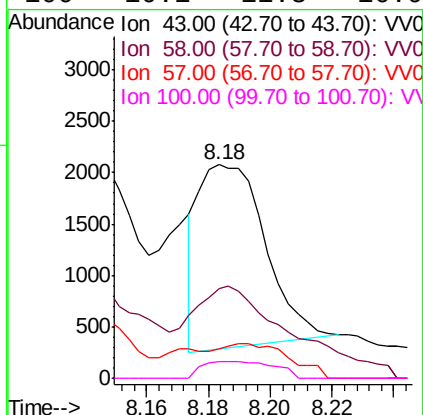
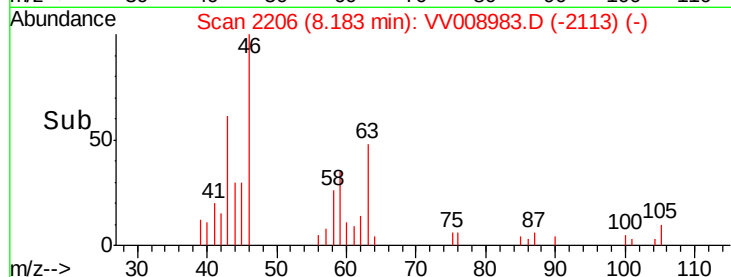
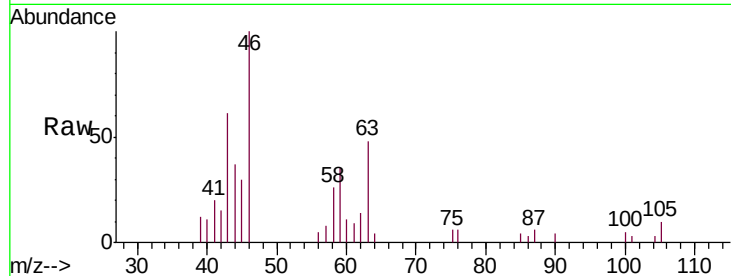




#48
 2-Hexanone
 Concen: 2.066 ug/L
 RT: 8.18 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: VV008983.D
 Acq: 17 Dec 2018 16:53

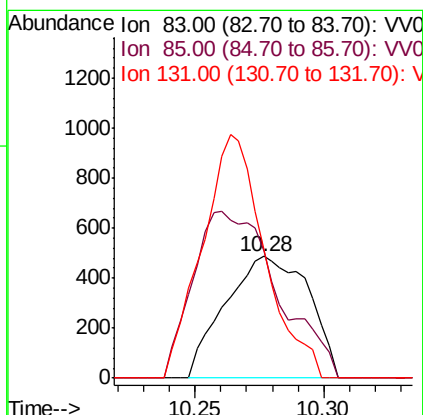
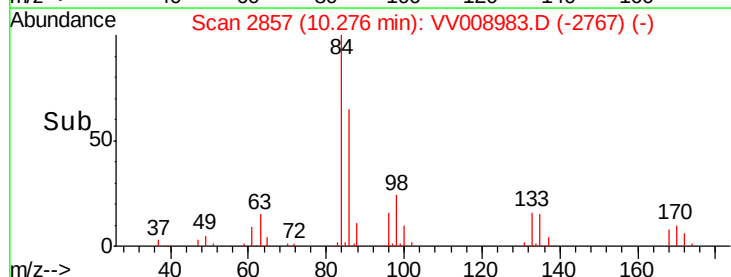
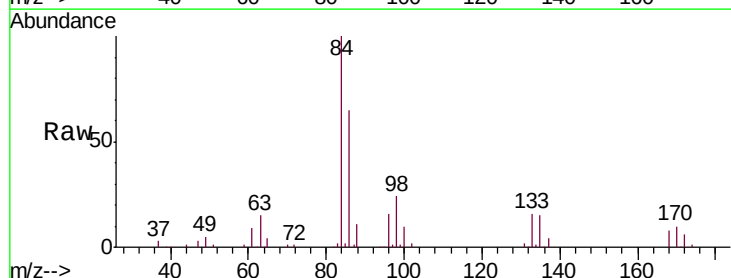
Instrument :
 MSVOA_V
 ClientSampled :
 COL38

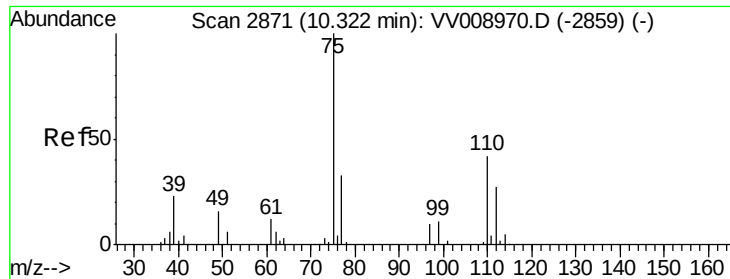
Tgt Ion: 43 Resp: 2665
 Ion Ratio Lower Upper
 43 100
 58 76.8 42.7 64.1#
 57 2.0 15.7 23.5#
 100 10.1 11.3 16.9#



#58
 1,1,2,2-Tetrachloroethane
 Concen: 0.550 ug/L
 RT: 10.28 min Scan# 2857
 Delta R.T. -0.01 min
 Lab File: VV008983.D
 Acq: 17 Dec 2018 16:53

Tgt Ion: 83 Resp: 1097
 Ion Ratio Lower Upper
 83 100
 85 104.7 45.3 84.1#
 131 105.6 9.2 13.8#

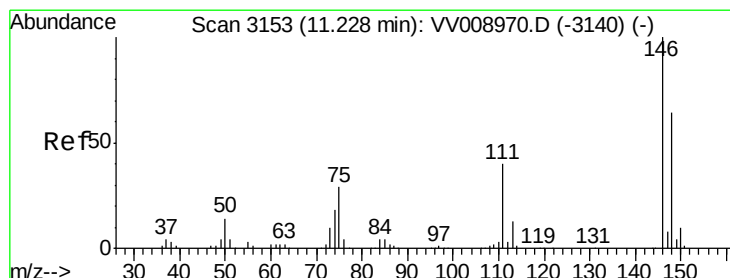
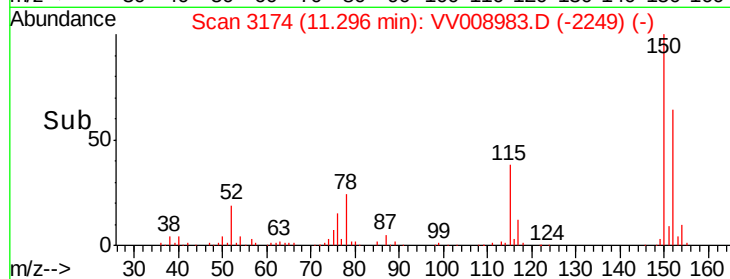
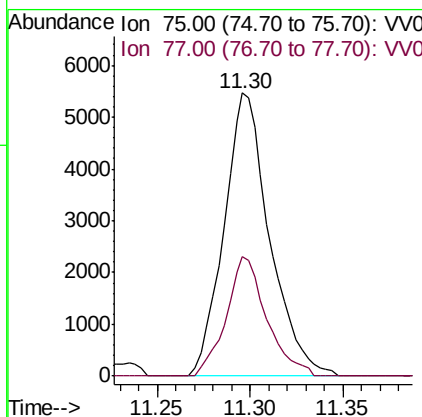
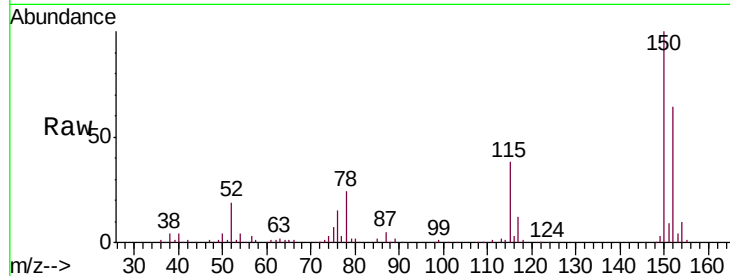




#59
 1,2,3-Trichloropropane
 Concen: 5.520 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.97 min
 Lab File: VV008983.D
 Acq: 17 Dec 2018 16:53

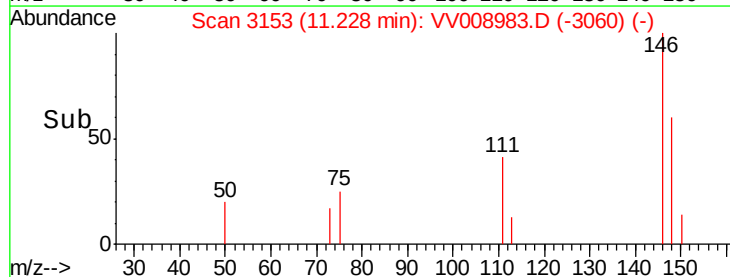
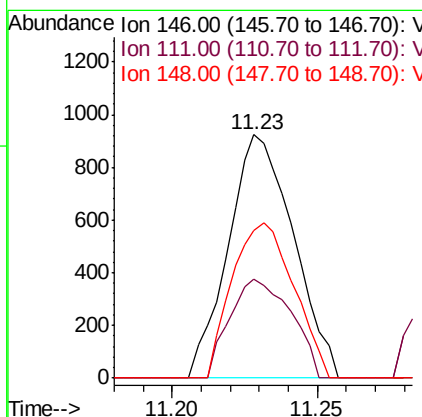
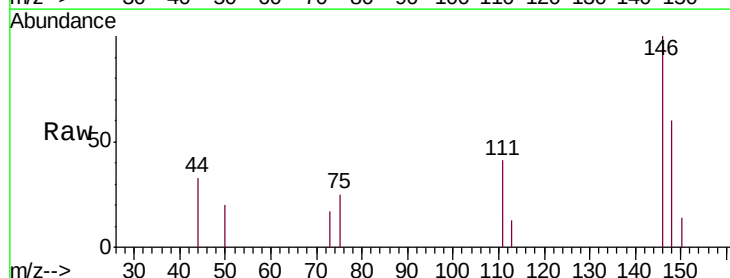
Instrument :
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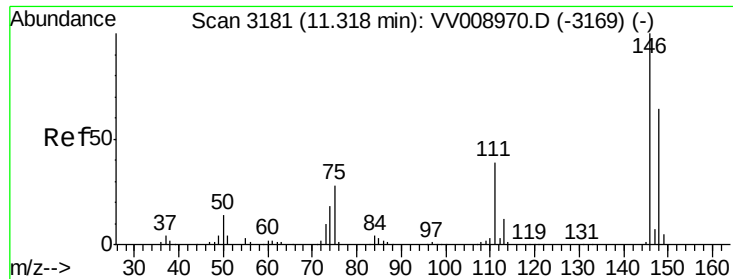
Tgt Ion: 75 Resp: 9319
 Ion Ratio Lower Upper
 75 100
 77 37.4 25.8 38.8



#62
 1,3-Dichlorobenzene
 Concen: 0.553 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV008983.D
 Acq: 17 Dec 2018 16:53

Tgt Ion: 146 Resp: 1441
 Ion Ratio Lower Upper
 146 100
 111 40.6 28.3 52.7
 148 60.5 44.9 83.5





#63

1,4-Dichlorobenzene

Concen: 0.865 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. 0.01 min

Lab File: VV008983.D

Acq: 17 Dec 2018 16:53

Instrument :

MSVOA_V

ClientSampleId :

COL38

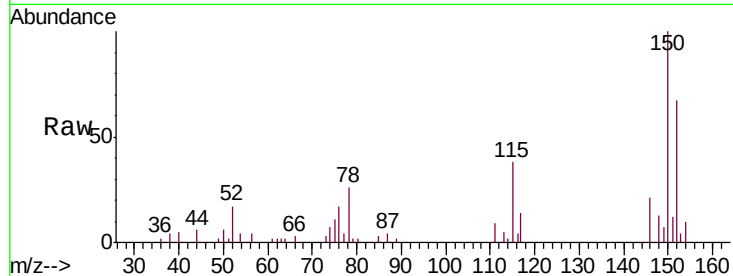
Tgt Ion:146 Resp: 2269

Ion Ratio Lower Upper

146 100

111 41.2 27.9 51.9

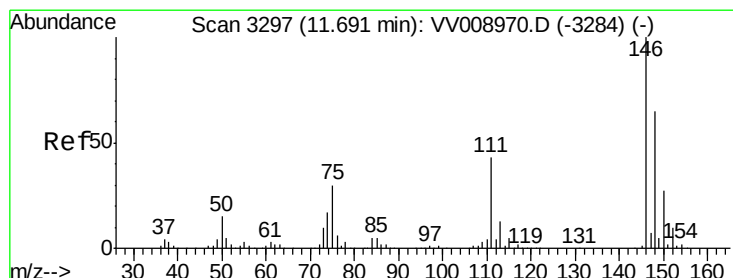
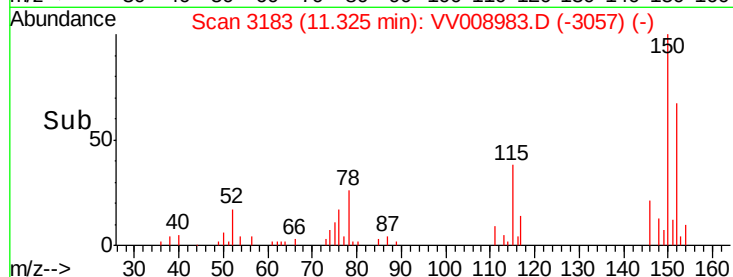
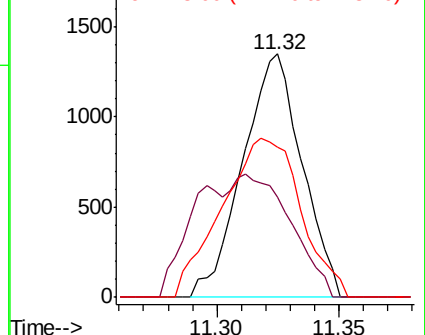
148 61.7 45.2 84.0



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



#65

1,2-Dichlorobenzene

Concen: 0.729 ug/L

RT: 11.70 min Scan# 3299

Delta R.T. 0.01 min

Lab File: VV008983.D

Acq: 17 Dec 2018 16:53

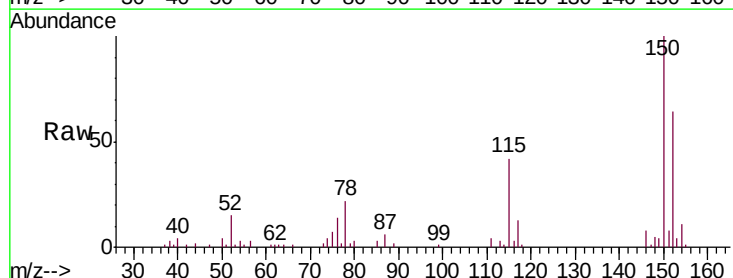
Tgt Ion:146 Resp: 1928

Ion Ratio Lower Upper

146 100

111 48.5 32.8 49.2

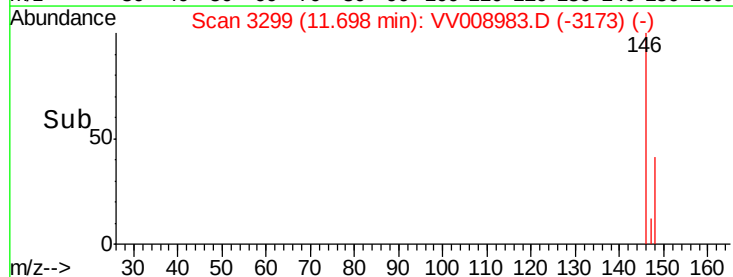
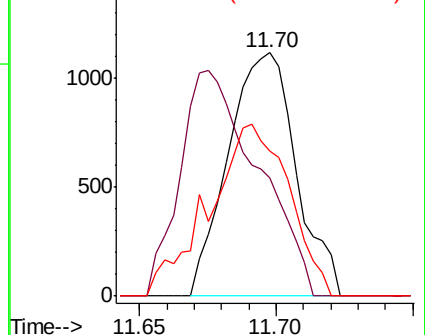
148 59.6 50.5 75.7

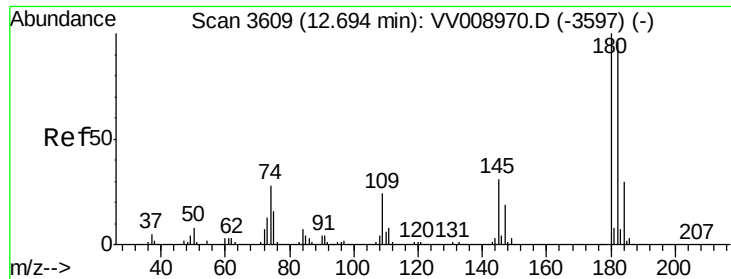


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

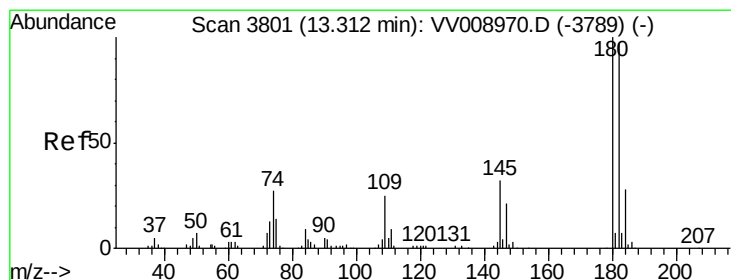
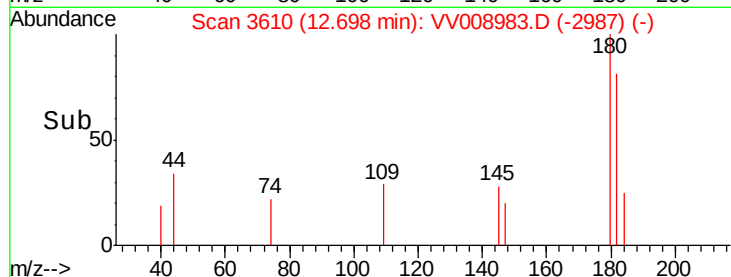
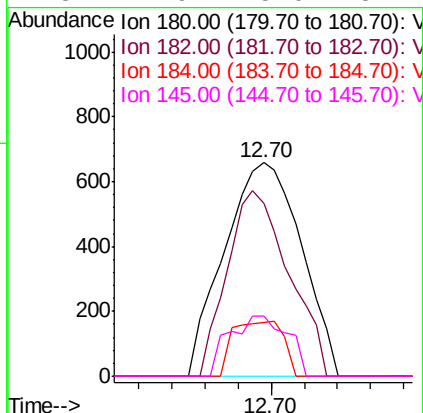
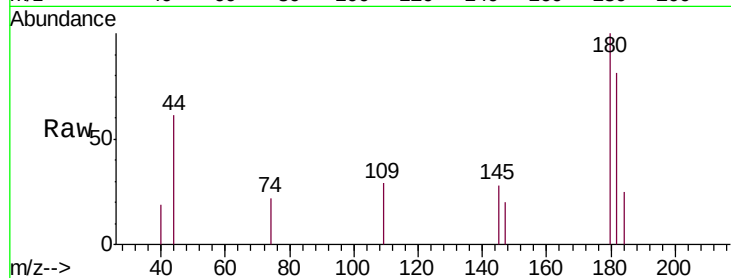




#67
 1,3,5-Trichlorobenzene
 Concen: 0.633 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008983.D
 Acq: 17 Dec 2018 16:53

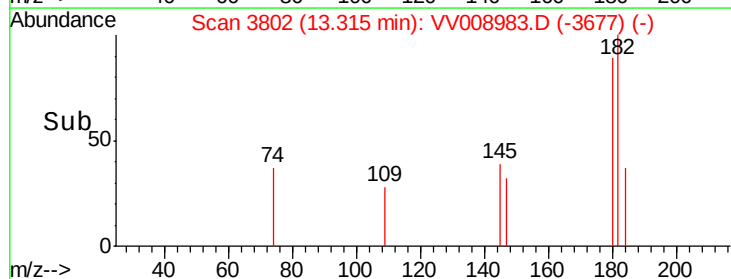
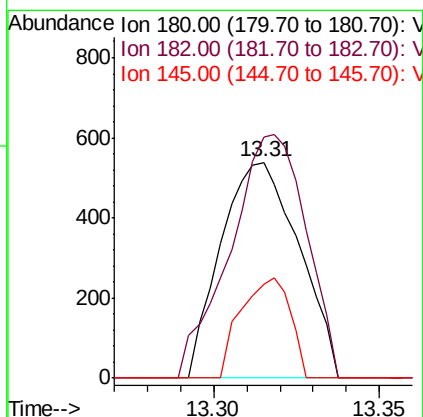
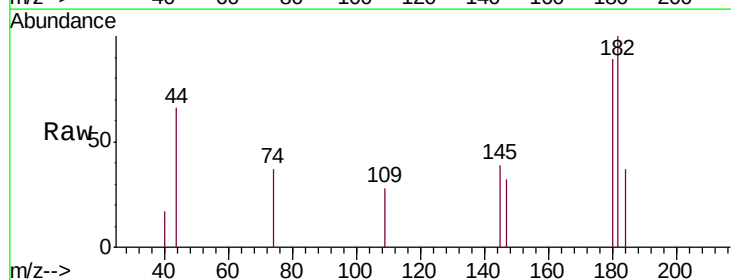
Instrument :
 MSVOA_V
 ClientSampleId :
 COL38

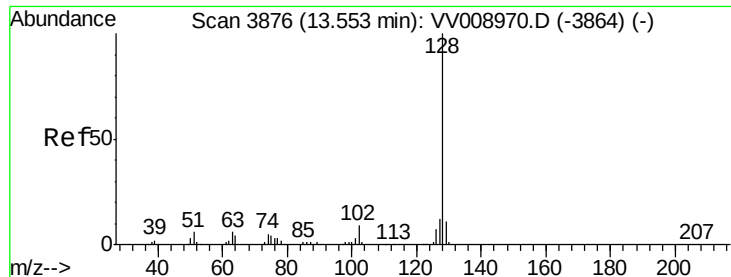
Tgt Ion:180 Resp: 1062
 Ion Ratio Lower Upper
 180 100
 182 69.6 75.4 113.0#
 184 0.0 24.2 36.2#
 145 4.9 25.0 37.4#



#68
 1,2,4-trichlorobenzene
 Concen: 0.767 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008983.D
 Acq: 17 Dec 2018 16:53

Tgt Ion:180 Resp: 883
 Ion Ratio Lower Upper
 180 100
 182 110.1 75.7 113.5
 145 29.3 25.0 37.4





#69

Naphthalene

Concen: 1.364 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008983.D

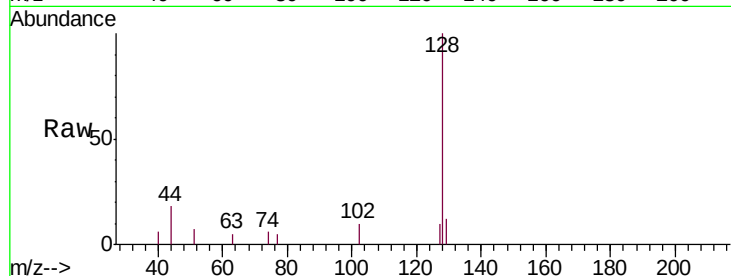
Acq: 17 Dec 2018 16:53

Instrument :

MSVOA_V

ClientSampleId :

COL38



Tgt Ion:128 Resp: 3928

Ion Ratio Lower Upper

128 100

127 5.9 10.4 15.6#

129 5.7 8.6 12.8#

