

Data File : VV008947.D
Acq On : 14 Dec 2018 22:16
Operator : SY/MD
Sample : VV1214WBL02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK67

Quant Time: Dec 15 01:03:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121318WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 15 01:01:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	210458	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	194376	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	84743	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	58006	47.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.40%
7) Chloroethane-d5	1.56	69	42357	54.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.52%
11) 1,1-Dichloroethene-d2	2.13	63	116011	39.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.94%
21) 2-Butanone-d5	3.93	46	94242	114.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.84%
24) Chloroform-d	4.41	84	129575	49.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.82%
26) 1,2-Dichloroethane-d4	5.08	65	87796	52.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.12%
32) Benzene-d6	5.10	84	269107	51.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.74%
36) 1,2-Dichloropropane-d6	6.12	67	80480	51.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.26%
41) Toluene-d8	7.36	98	248788	50.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.20%
43) trans-1,3-Dichloropropene-	7.67	79	38190	47.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.68%
47) 2-Hexanone-d5	8.13	63	63659	109.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.27%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	99574	49.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	90593	51.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.66%

Target Compounds

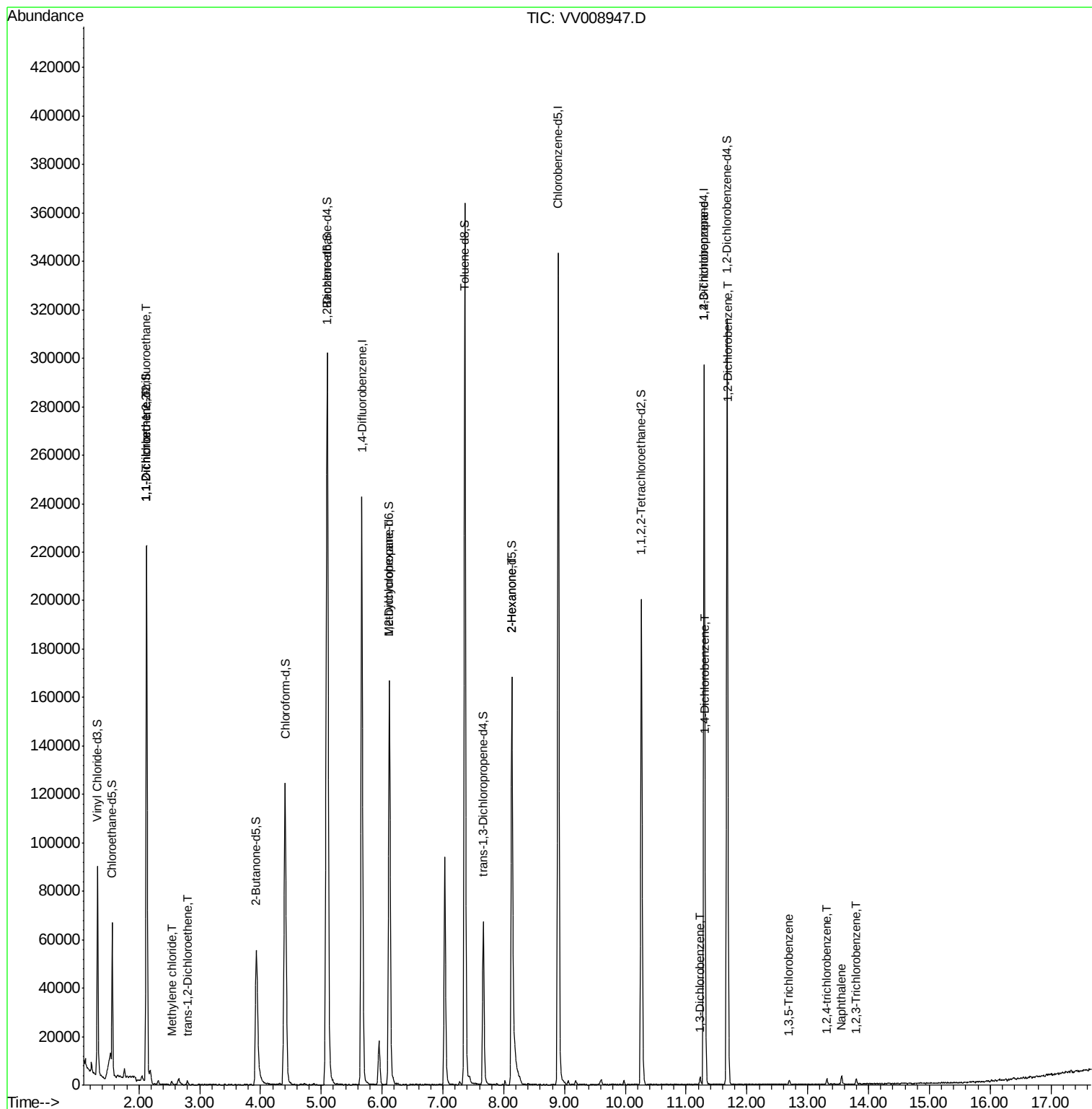
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1350	0.940	ug/L #	20
12) 1,1-Dichloroethene	2.13	96	1182	0.905	ug/L #	1
16) Methylene chloride	2.54	84	570	0.392	ug/L	91
17) trans-1,2-Dichloroethene	2.80	96	483	0.365	ug/L	86
35) Methylcyclohexane	6.12	83	20138	8.779	ug/L #	20
48) 2-Hexanone	8.14	43	7342	5.509	ug/L #	74
59) 1,2,3-Trichloropropane	11.30	75	9790	5.612	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	1649	0.607	ug/L	87
63) 1,4-Dichlorobenzene	11.32	146	1764	0.645	ug/L #	78
65) 1,2-Dichlorobenzene	11.69	146	1498	0.543	ug/L #	72
67) 1,3,5-Trichlorobenzene	12.70	180	965	0.551	ug/L #	58
68) 1,2,4-trichlorobenzene	13.32	180	898	0.748	ug/L	100
69) Naphthalene	13.55	128	3292	1.096	ug/L #	93
70) 1,2,3-Trichlorobenzene	13.80	180	1053	0.871	ug/L #	80

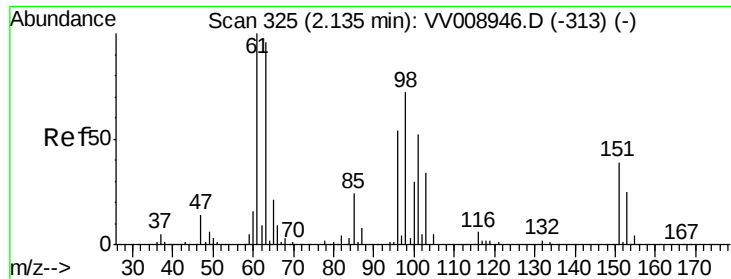
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.940 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV008947.D

Acq: 14 Dec 2018 22:16

Instrument :

MSVOA_V

ClientSampleId :

VBLK67

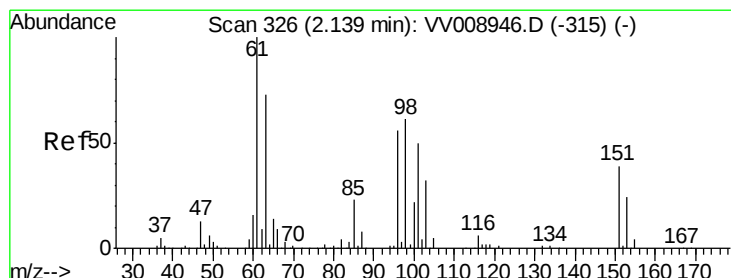
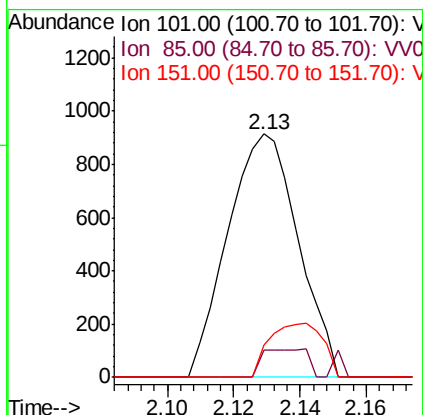
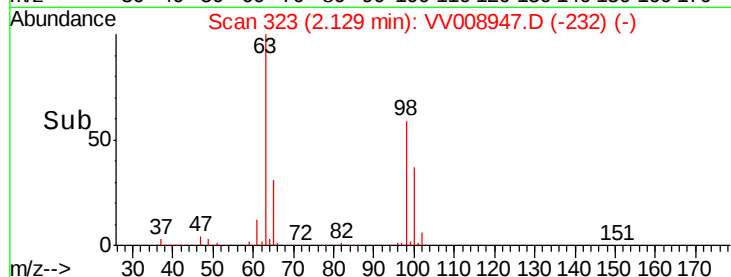
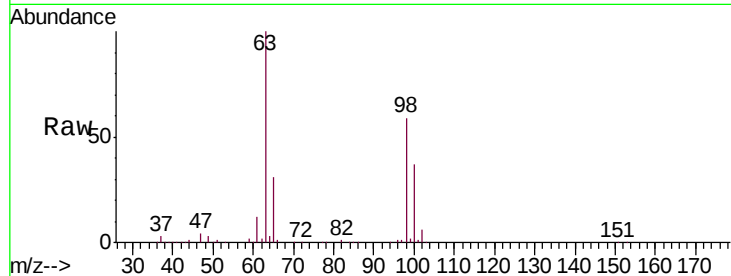
Tgt Ion:101 Resp: 1350

Ion Ratio Lower Upper

101 100

85 4.4 34.6 52.0#

151 0.0 63.8 95.8#



#12

1,1-Dichloroethene

Concen: 0.905 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV008947.D

Acq: 14 Dec 2018 22:16

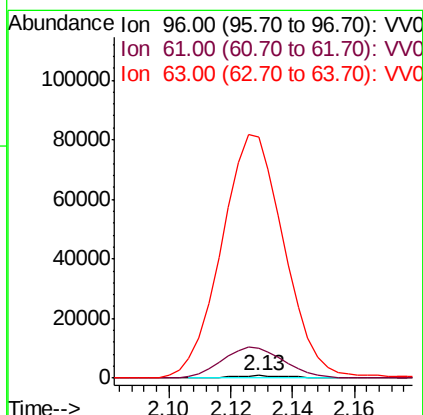
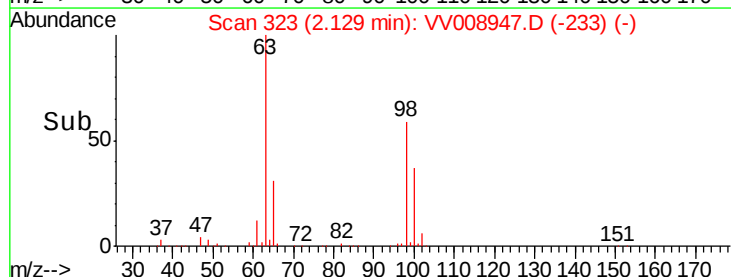
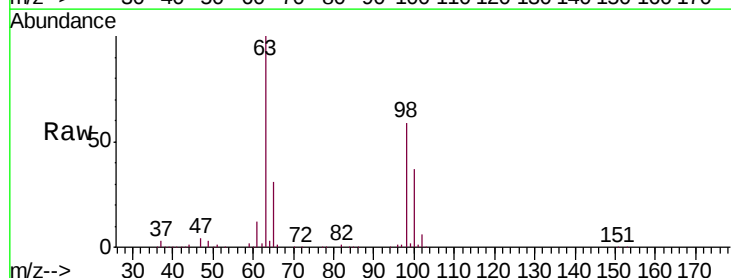
Tgt Ion: 96 Resp: 1182

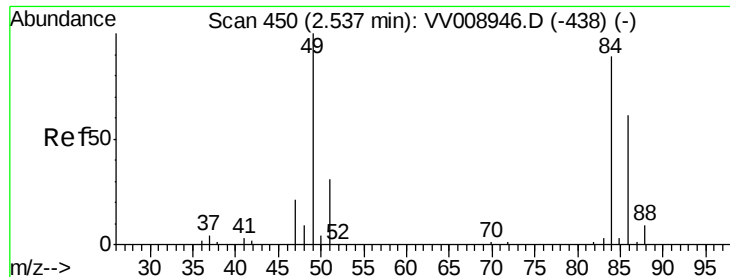
Ion Ratio Lower Upper

96 100

61 1201.4 119.1 221.3#

63 9646.8 96.0 178.2#

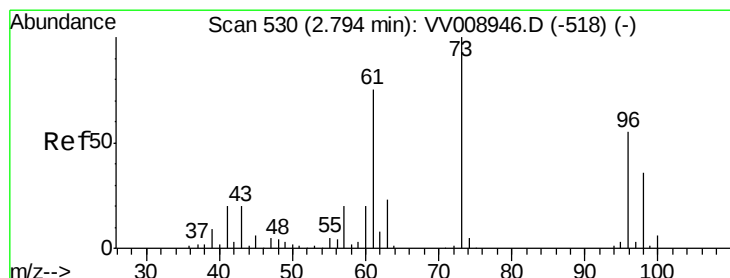
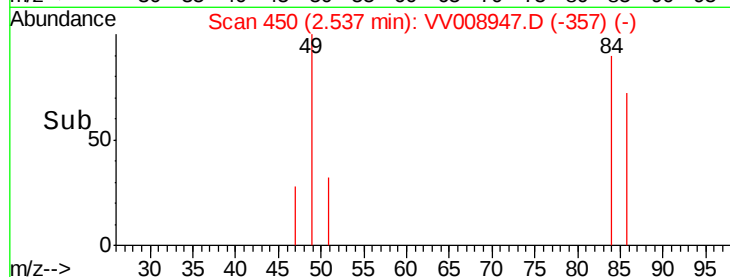
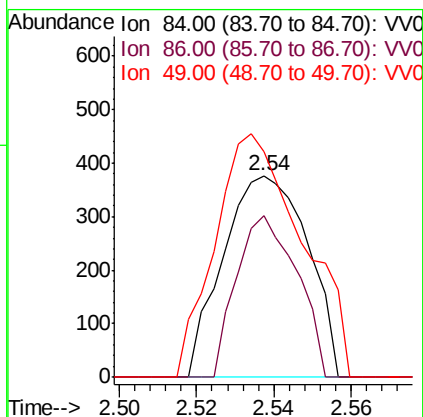
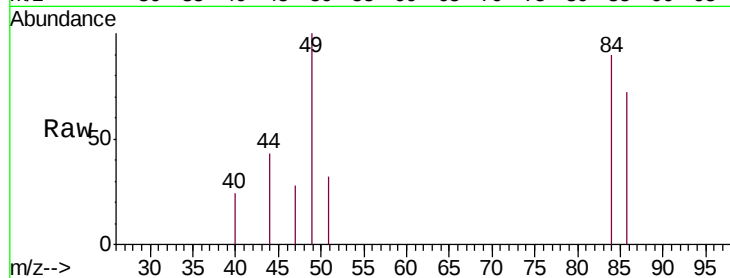




#16
Methylene chloride
Concen: 0.392 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV008947.D
Acq: 14 Dec 2018 22:16

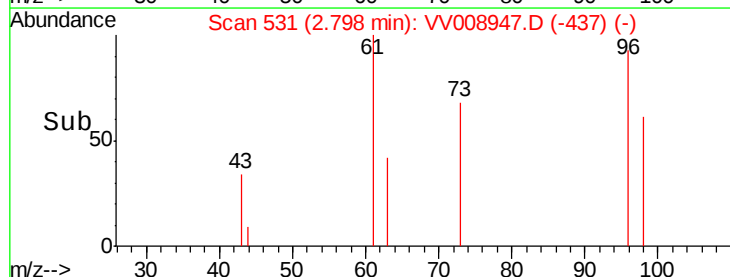
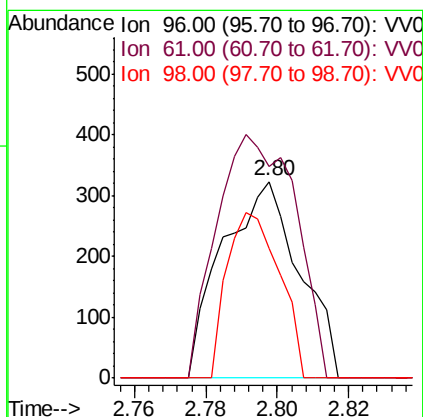
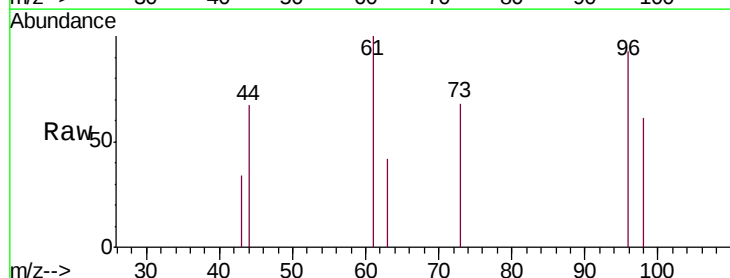
Instrument :
MSVOA_V
ClientSampled :
VBLK67

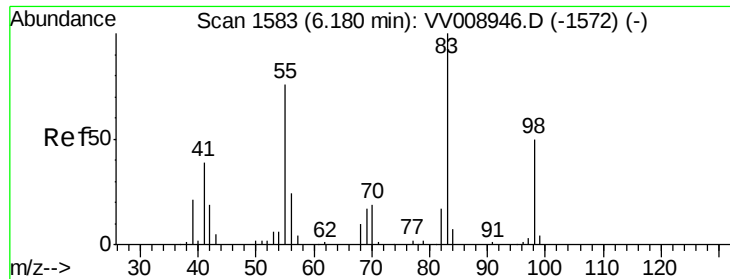
Tgt Ion: 84 Resp: 570
Ion Ratio Lower Upper
84 100
86 80.1 44.2 82.0
49 111.7 77.4 143.8



#17
trans-1,2-Dichloroethene
Concen: 0.365 ug/L
RT: 2.80 min Scan# 531
Delta R.T. 0.00 min
Lab File: VV008947.D
Acq: 14 Dec 2018 22:16

Tgt Ion: 96 Resp: 483
Ion Ratio Lower Upper
96 100
61 108.0 90.8 168.6
98 66.3 44.2 82.0

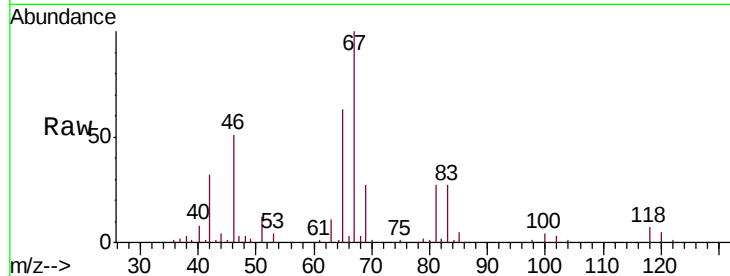




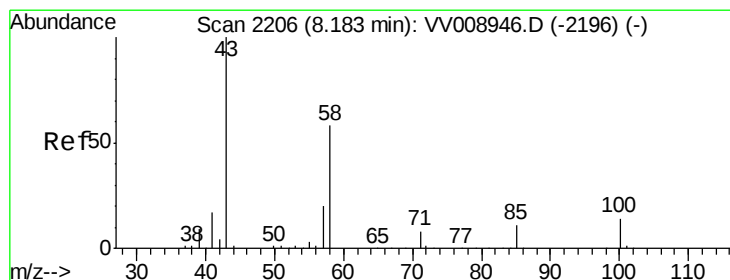
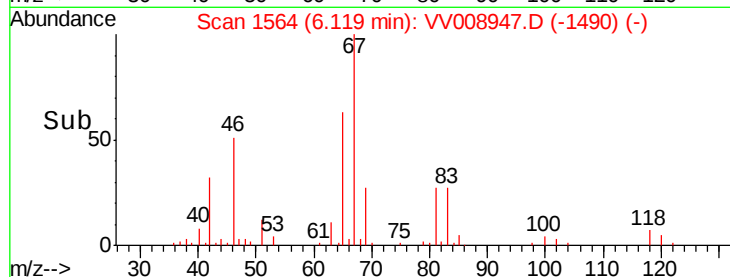
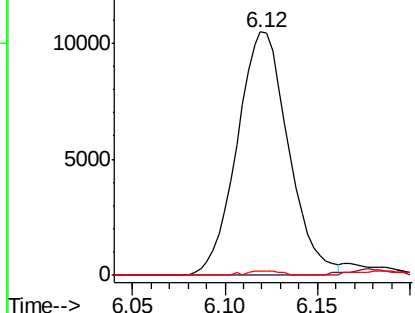
#35
Methylcyclohexane
Concen: 8.779 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.06 min
Lab File: VV008947.D
Acq: 14 Dec 2018 22:16

Instrument :
MSVOA_V
ClientSampleId :
VBLK67

Tgt Ion: 83 Resp: 20138
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.8#
98 1.0 39.0 58.4#

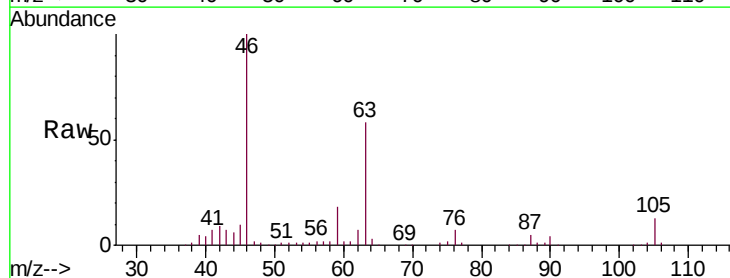


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

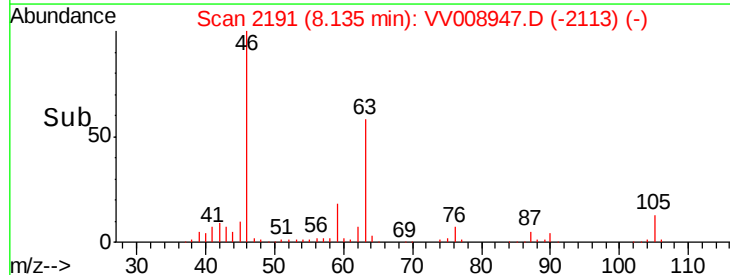
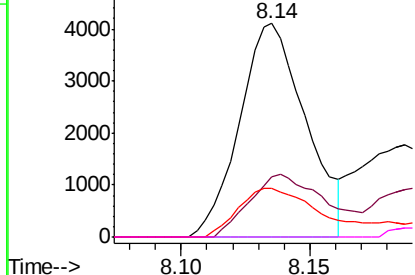


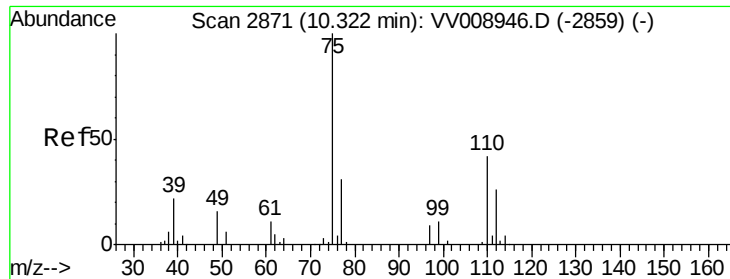
#48
2-Hexanone
Concen: 5.509 ug/L
RT: 8.14 min Scan# 2191
Delta R.T. -0.05 min
Lab File: VV008947.D
Acq: 14 Dec 2018 22:16

Tgt Ion: 43 Resp: 7342
Ion Ratio Lower Upper
43 100
58 34.4 42.7 64.1#
57 28.1 15.7 23.5#
100 0.0 11.3 16.9#



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0





#59

1,2,3-Trichloropropane

Concen: 5.612 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.97 min

Lab File: VV008947.D

Acq: 14 Dec 2018 22:16

Instrument :

MSVOA_V

ClientSampleId :

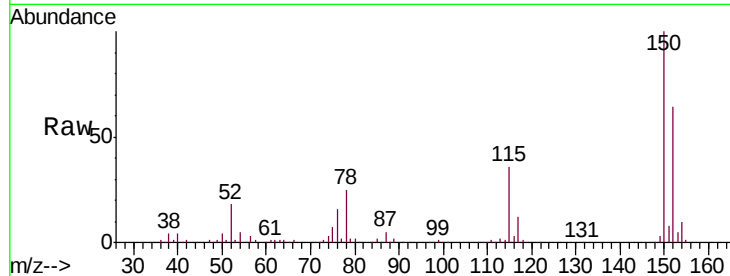
VBLK67

Tgt Ion: 75 Resp: 9790

Ion Ratio Lower Upper

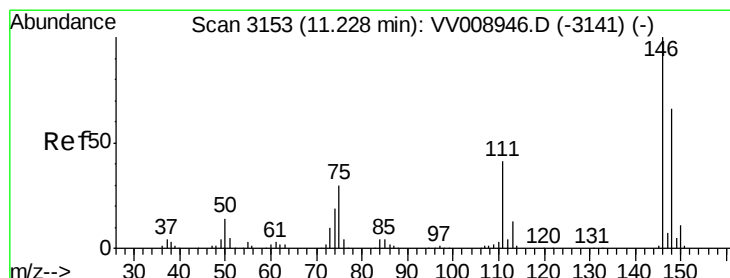
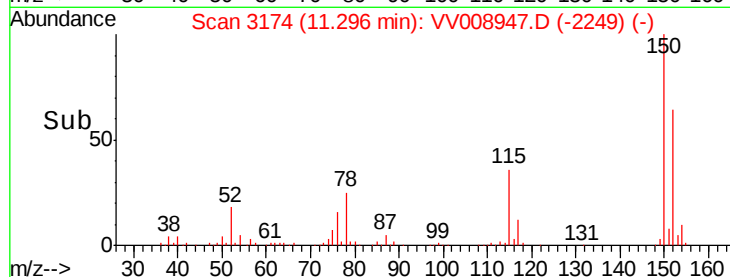
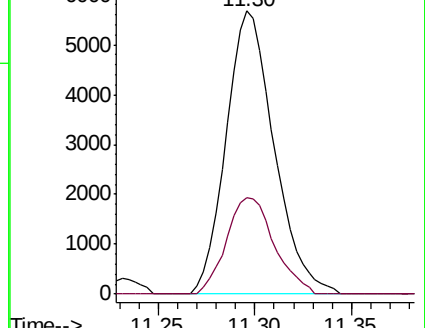
75 100

77 33.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV008947.D (-2249) (-)

Ion 77.00 (76.70 to 77.70): VV008947.D (-2249) (-)



#62

1,3-Dichlorobenzene

Concen: 0.607 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV008947.D

Acq: 14 Dec 2018 22:16

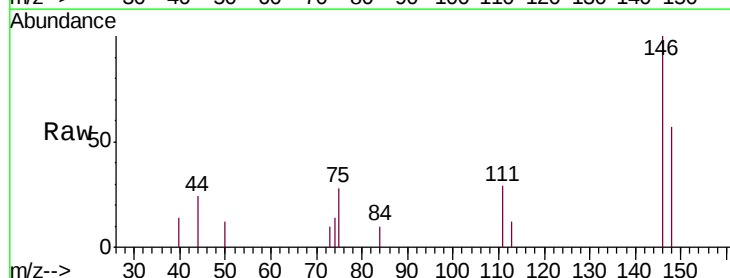
Tgt Ion: 146 Resp: 1649

Ion Ratio Lower Upper

146 100

111 29.4 28.3 52.7

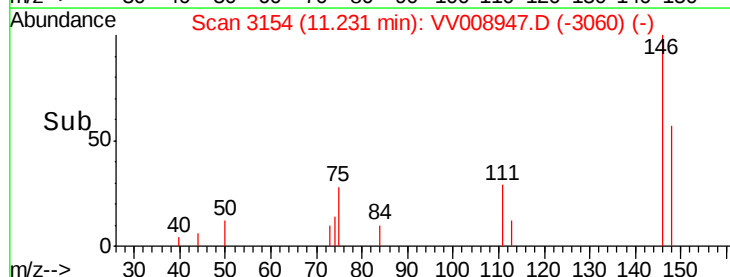
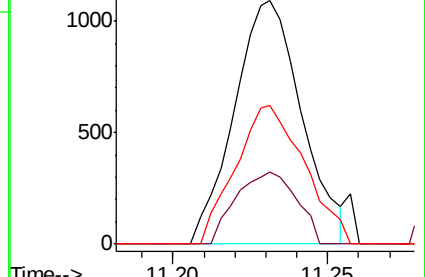
148 56.7 44.9 83.5

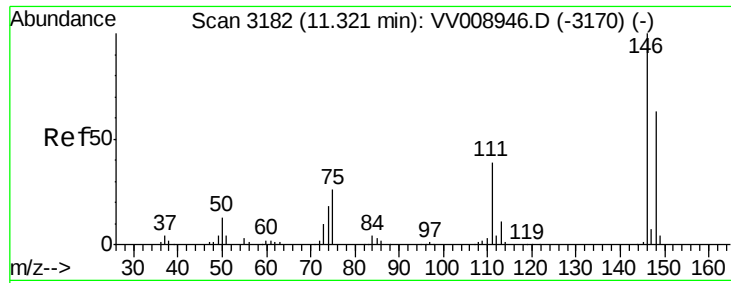


Abundance Ion 146.00 (145.70 to 146.70): VV008947.D (-3060) (-)

Ion 111.00 (110.70 to 111.70): VV008947.D (-3060) (-)

Ion 148.00 (147.70 to 148.70): VV008947.D (-3060) (-)

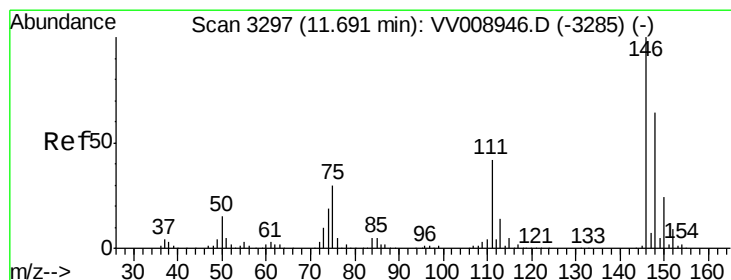
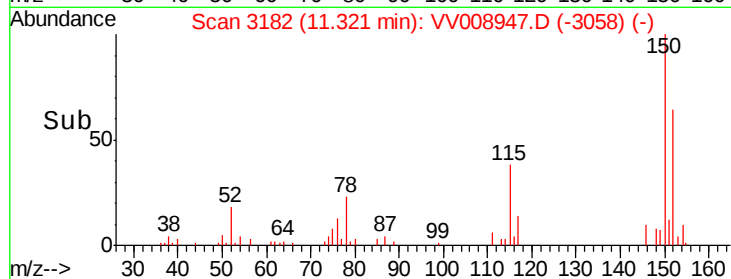
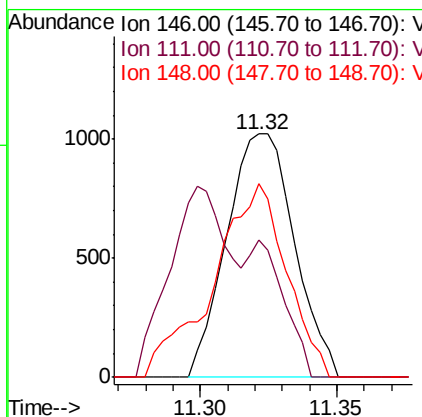
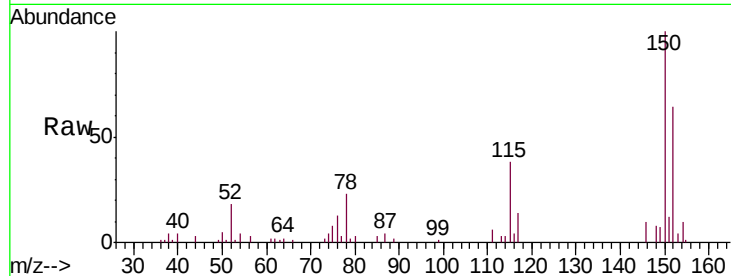




#63
 1,4-Dichlorobenzene
 Concen: 0.645 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008947.D
 Acq: 14 Dec 2018 22:16

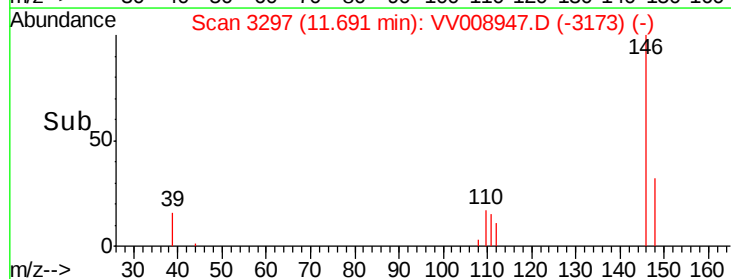
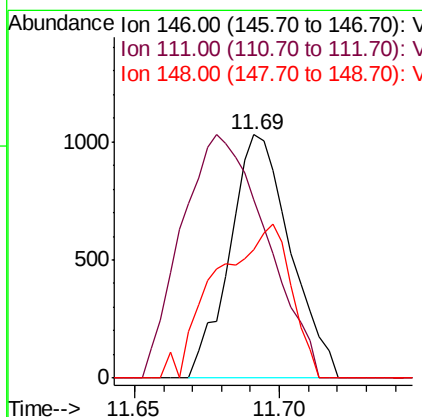
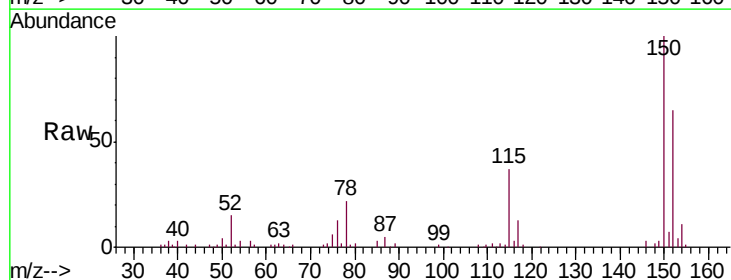
Instrument :
 MSVOA_V
 ClientSampled :
 VBLK67

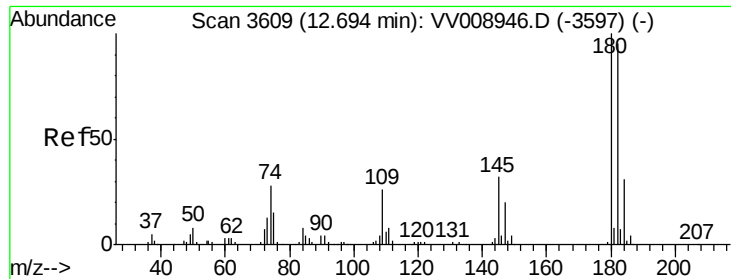
Tgt Ion:146 Resp: 1764
 Ion Ratio Lower Upper
 146 100
 111 56.2 27.9 51.9#
 148 79.5 45.2 84.0



#65
 1,2-Dichlorobenzene
 Concen: 0.543 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV008947.D
 Acq: 14 Dec 2018 22:16

Tgt Ion:146 Resp: 1498
 Ion Ratio Lower Upper
 146 100
 111 73.2 32.8 49.2#
 148 52.8 50.5 75.7

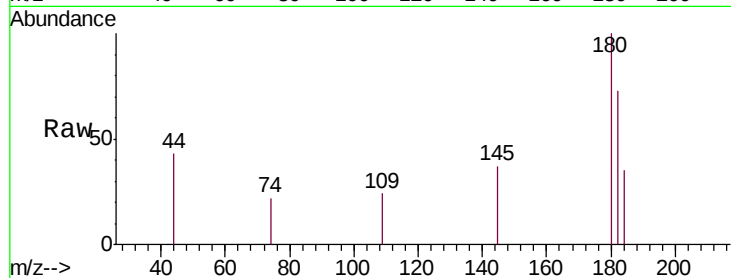




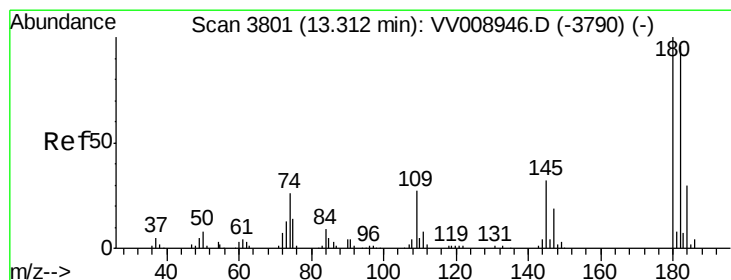
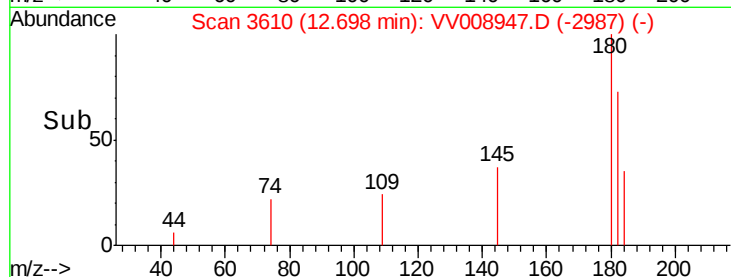
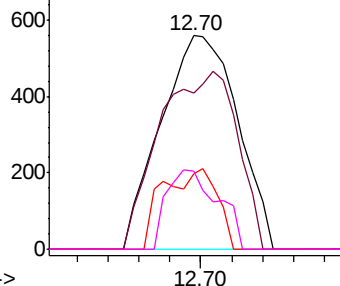
#67
 1,3,5-Trichlorobenzene
 Concen: 0.551 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008947.D
 Acq: 14 Dec 2018 22:16

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK67

Tgt Ion:180 Resp: 965
 Ion Ratio Lower Upper
 180 100
 182 43.6 75.4 113.0#
 184 13.7 24.2 36.2#
 145 20.1 25.0 37.4#

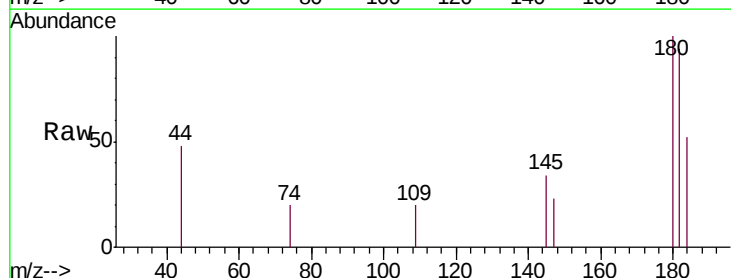


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

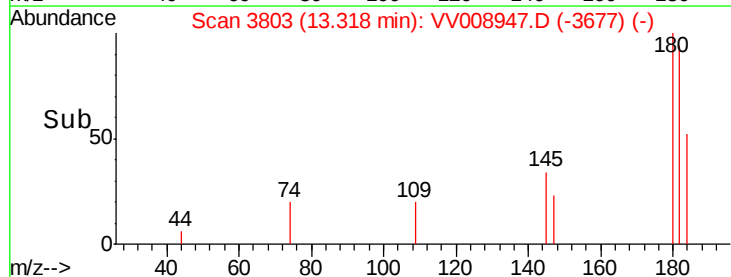
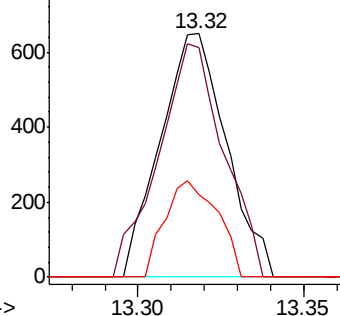


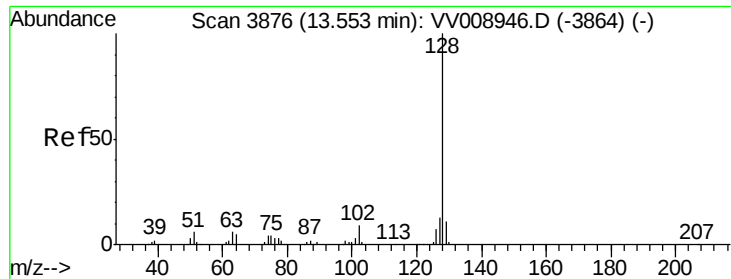
#68
 1,2,4-trichlorobenzene
 Concen: 0.748 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.01 min
 Lab File: VV008947.D
 Acq: 14 Dec 2018 22:16

Tgt Ion:180 Resp: 898
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.7 113.5
 145 31.5 25.0 37.4



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





#69

Naphthalene

Concen: 1.096 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV008947.D

Acq: 14 Dec 2018 22:16

Instrument :

MSVOA_V

ClientSampled :

VBLK67

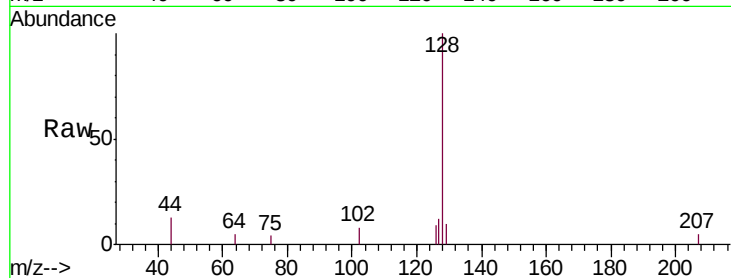
Tgt Ion:128 Resp: 3292

Ion Ratio Lower Upper

128 100

127 15.8 10.4 15.6#

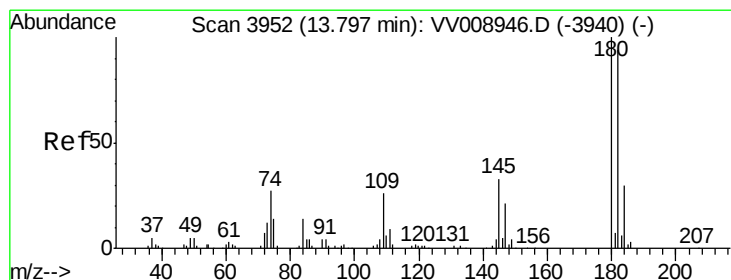
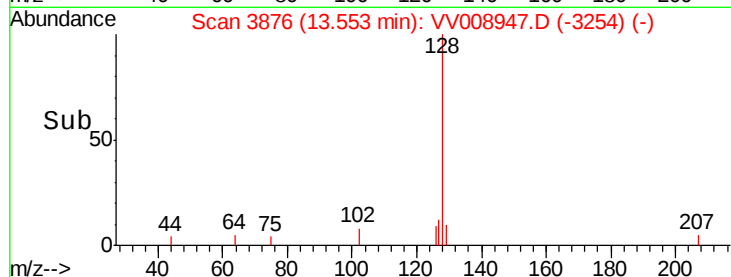
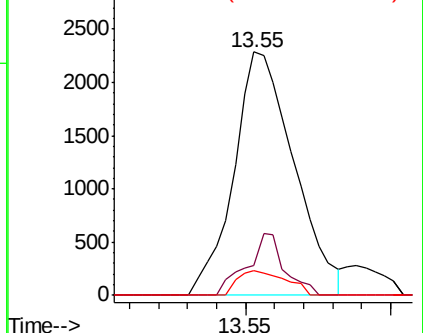
129 8.1 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.871 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV008947.D

Acq: 14 Dec 2018 22:16

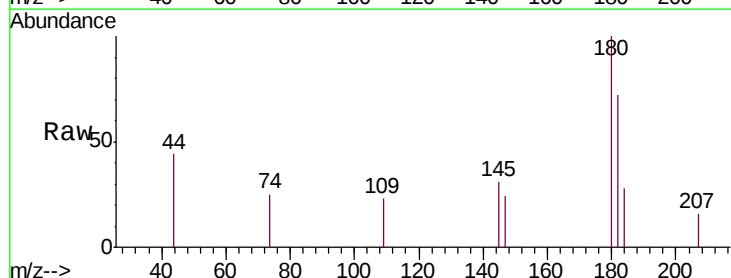
Tgt Ion:180 Resp: 1053

Ion Ratio Lower Upper

180 100

182 76.9 76.6 115.0

145 21.4 26.1 39.1#



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

