

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033020\
 Data File : VV015266.D
 Acq On : 30 Mar 2020 11:26
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 30 13:29:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM033020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 30 13:18:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	737767	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	700272	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	314273	50.00	ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) Vinyl Chloride-d3	1.32	65	209007	38.85	ug/L	0.00
7) Chloroethane-d5	1.58	69	194829	38.92	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	336504	29.01	ug/L	0.00
21) 2-Butanone-d5	3.94	46	246321	69.98	ug/L	0.00
24) Chloroform-d	4.37	84	348638	36.05	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.05	65	242068	38.30	ug/L	0.00
32) Benzene-d6	5.07	84	720441	39.41	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	225798	39.50	ug/L	0.00
41) Toluene-d8	7.33	98	701422	39.66	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	119246	38.31	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	187616	69.96	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	307002	36.39	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	240942	38.52	ug/L	0.00

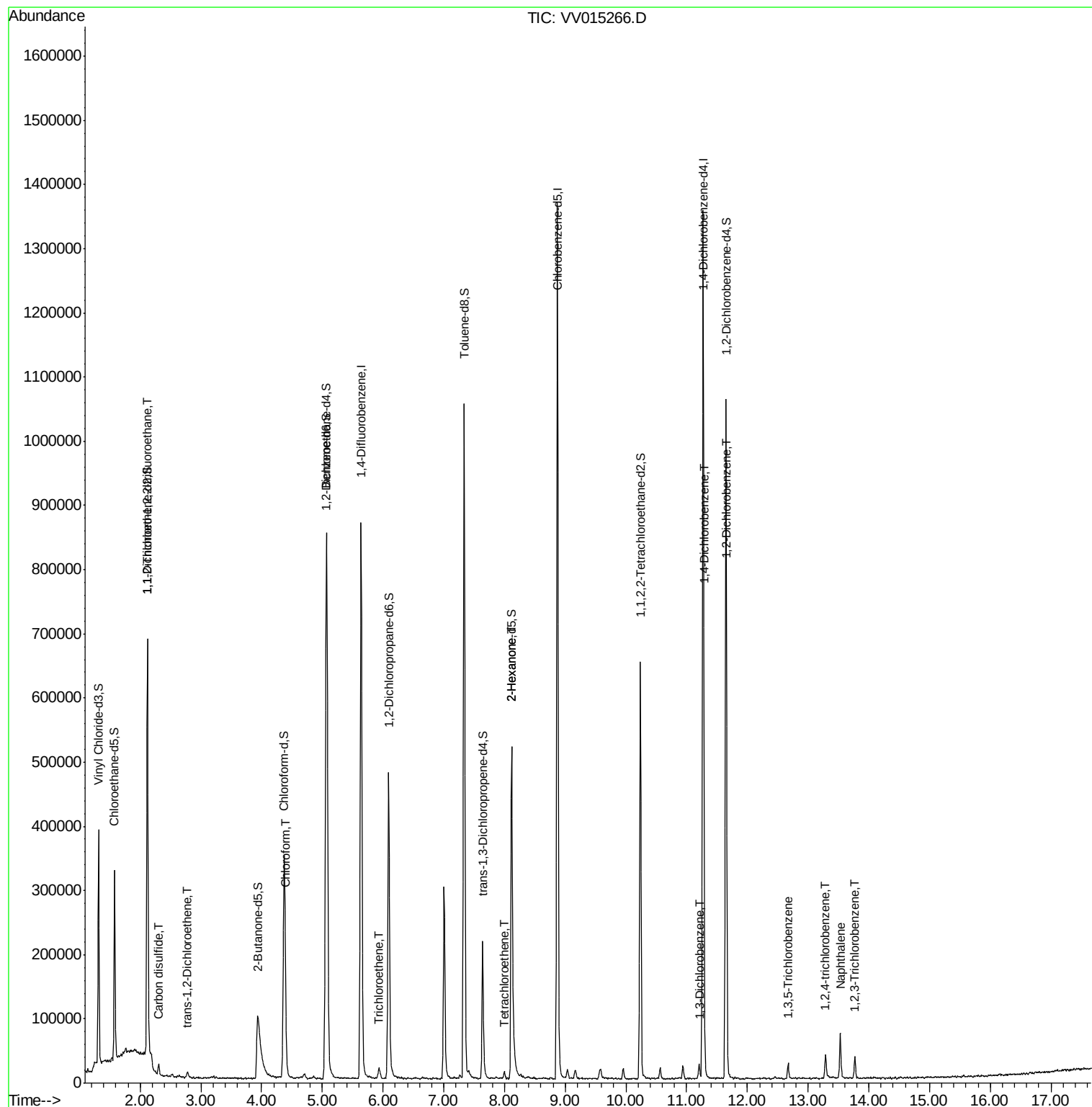
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	6641	1.178	ug/L #	25
14) Carbon disulfide	2.31	76	18873	1.421	ug/L #	92
17) trans-1,2-Dichloroethene	2.78	96	3383	0.740	ug/L	86
25) Chloroform	4.40	83	16649	1.829	ug/L	97
34) Trichloroethene	5.95	95	3671	0.738	ug/L	92
46) Tetrachloroethene	8.00	164	1943	0.590	ug/L	95
48) 2-Hexanone	8.12	43	22756	4.231	ug/L #	78
62) 1,3-Dichlorobenzene	11.21	146	8078	0.843	ug/L	94
63) 1,4-Dichlorobenzene	11.29	146	11362	1.161	ug/L	89
65) 1,2-Dichlorobenzene	11.67	146	7248	0.749	ug/L #	78
67) 1,3,5-Trichlorobenzene	12.67	180	6259	1.023	ug/L	90
68) 1,2,4-trichlorobenzene	13.29	180	8358	1.438	ug/L	96
69) Naphthalene	13.53	128	49400	2.132	ug/L	97
70) 1,2,3-Trichlorobenzene	13.77	180	7950	1.363	ug/L	92

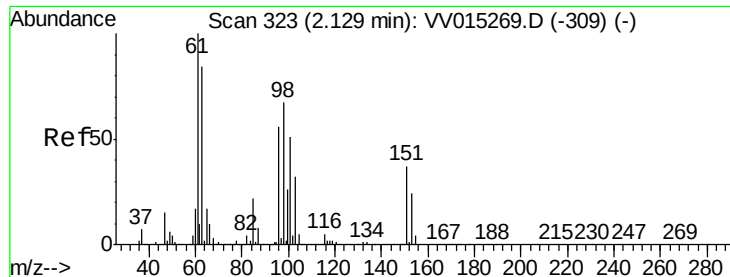
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 30 13:18:13 2020
Response via : Initial Calibration





#10

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

Concen: 1.178 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015266.D

Acq: 30 Mar 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

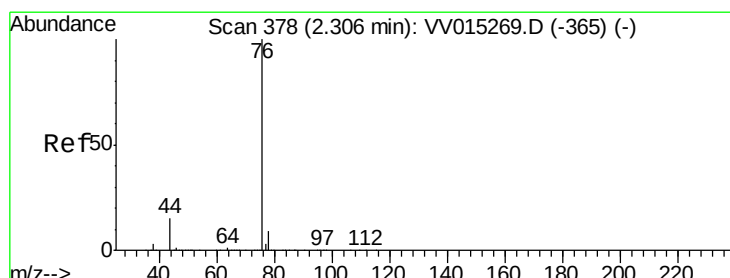
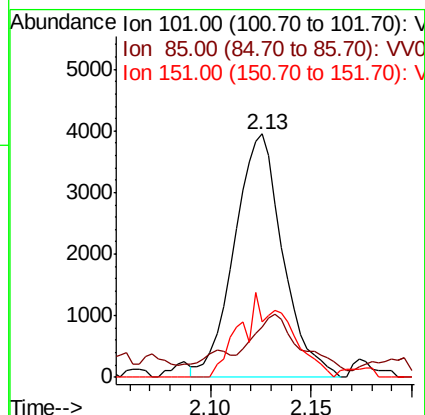
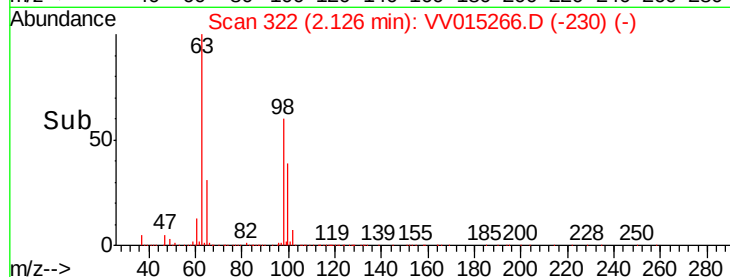
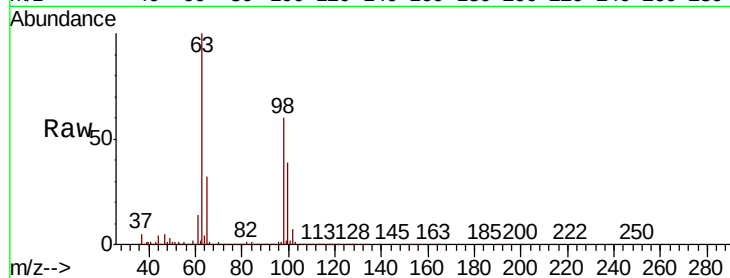
Tot Ion:101 Resp: 6641

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.6#

151 6.6 58.2 87.4#



#14

Carbon disulfide

Concen: 1.421 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV015266.D

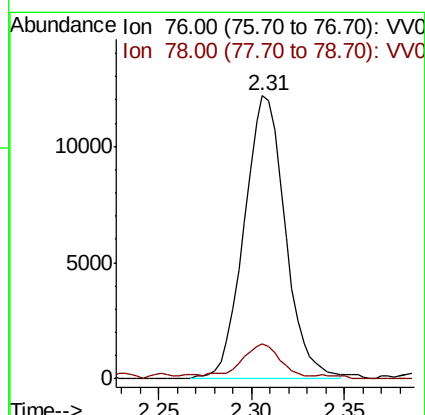
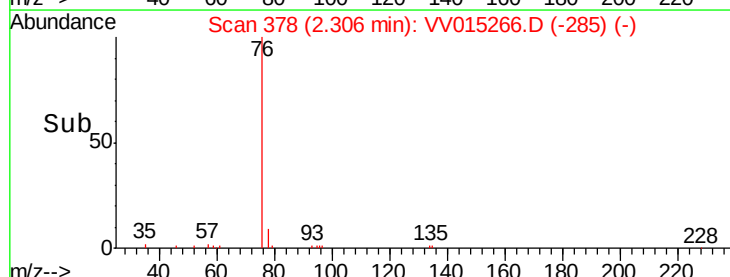
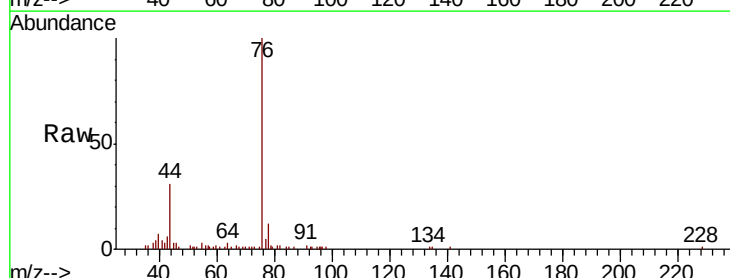
Acq: 30 Mar 2020 11:26

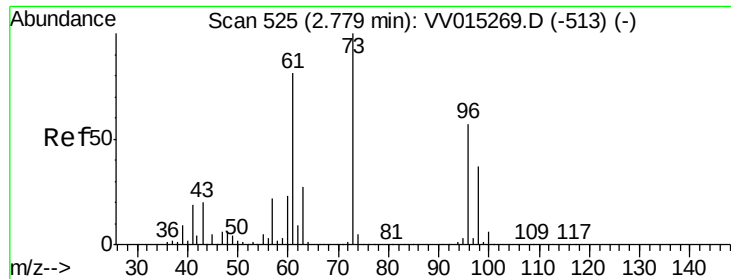
Tgt Ion: 76 Resp: 18873

Ion Ratio Lower Upper

76 100

78 12.2 7.4 11.0#





#17

trans-1,2-Dichloroethene

Concen: 0.740 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV015266.D

Acq: 30 Mar 2020 11:26

Instrument :

MSVOA_V

ClientSampled :

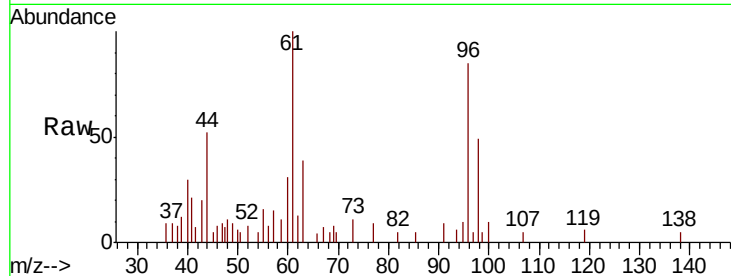
Tot Ion: 96 Resp: 3383

Ion Ratio Lower Upper

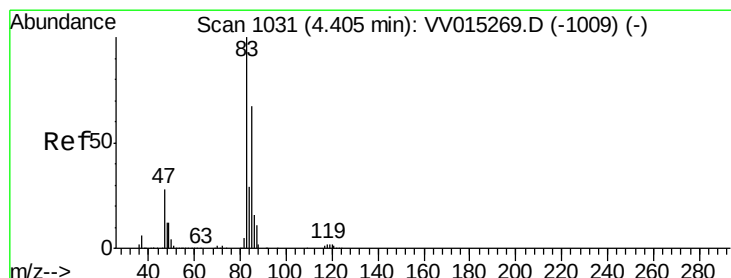
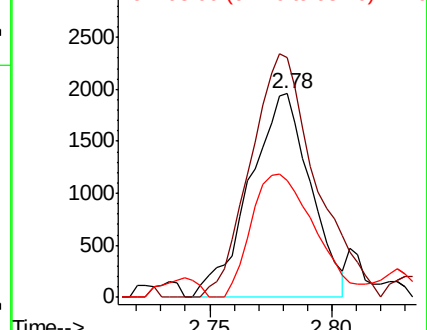
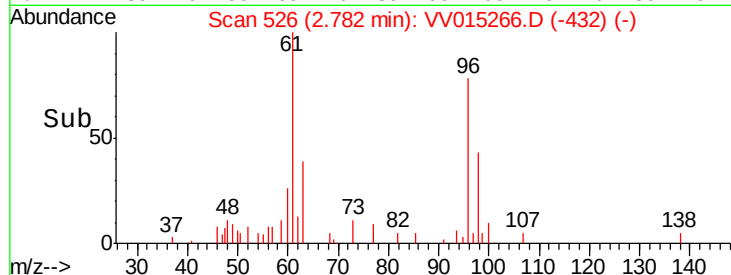
96 100

61 117.8 98.5 182.9

98 63.0 45.5 84.5



Abundance Ion 96.00 (95.70 to 96.70): VV015266.D (-432) (-)



#25

Chloroform

Concen: 1.829 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VV015266.D

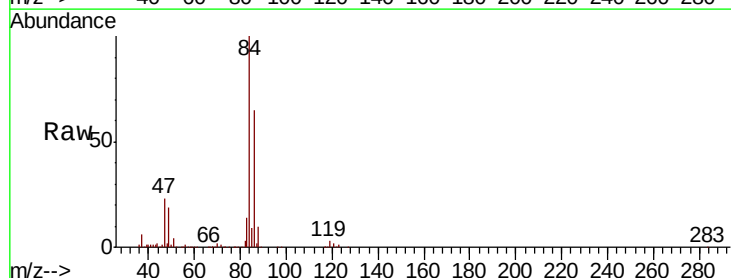
Acq: 30 Mar 2020 11:26

Tgt Ion: 83 Resp: 16649

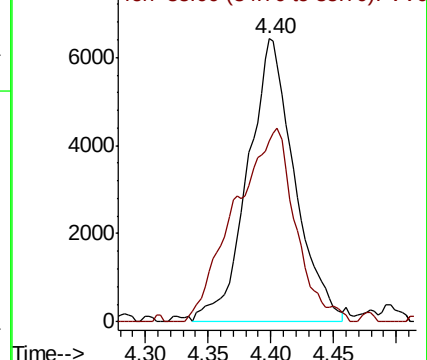
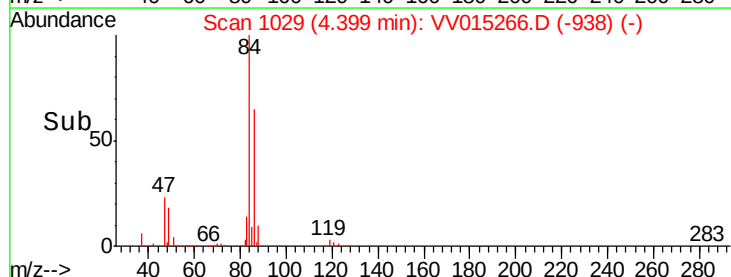
Ion Ratio Lower Upper

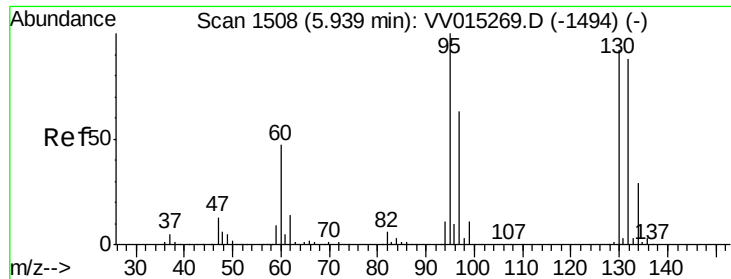
83 100

85 63.8 46.6 86.6



Abundance Ion 83.00 (82.70 to 83.70): VV015266.D (-938) (-)





#34

Trichloroethene

Concen: 0.738 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV015266.D

Acq: 30 Mar 2020 11:26

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 3671

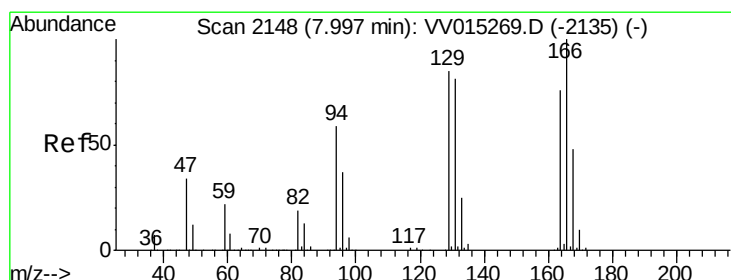
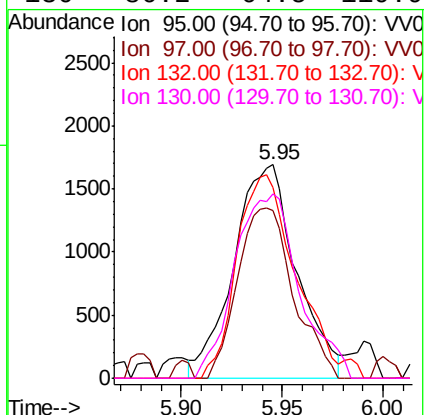
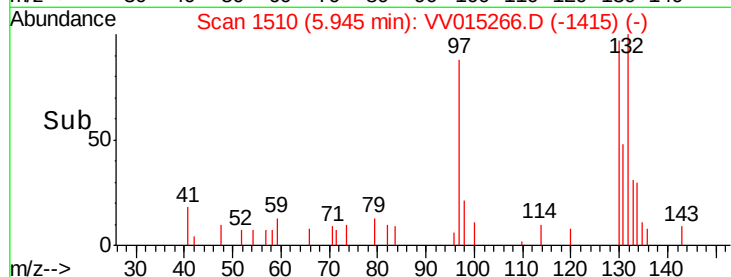
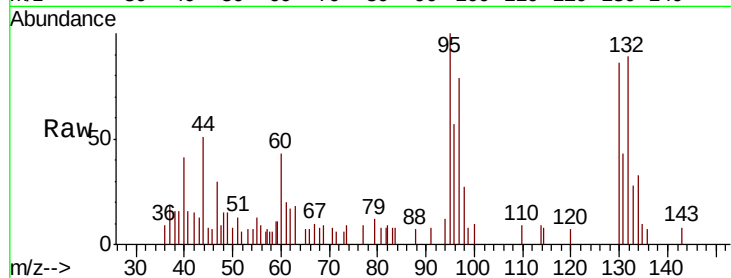
Ion Ratio Lower Upper

95 100

97 78.7 44.0 81.6

132 89.2 61.8 114.8

130 86.2 64.5 119.9



#46

Tetrachloroethene

Concen: 0.590 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV015266.D

Acq: 30 Mar 2020 11:26

Tgt Ion: 164 Resp: 1943

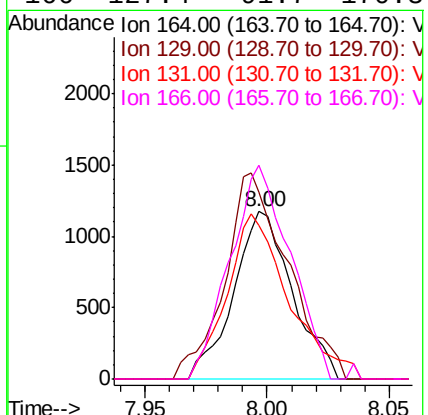
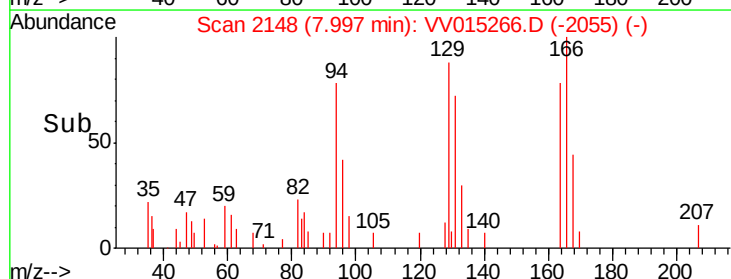
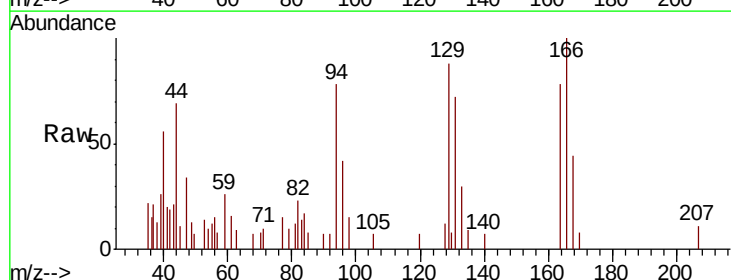
Ion Ratio Lower Upper

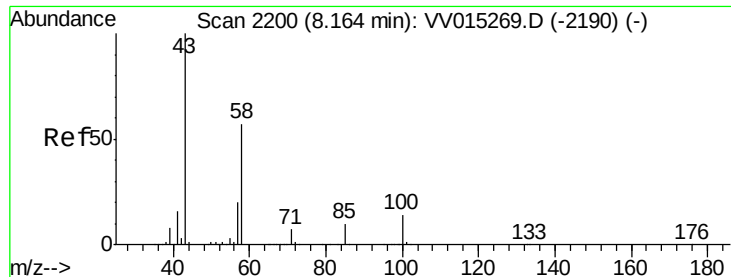
164 100

129 111.7 77.8 144.4

131 91.7 73.9 137.3

166 127.4 91.7 170.3

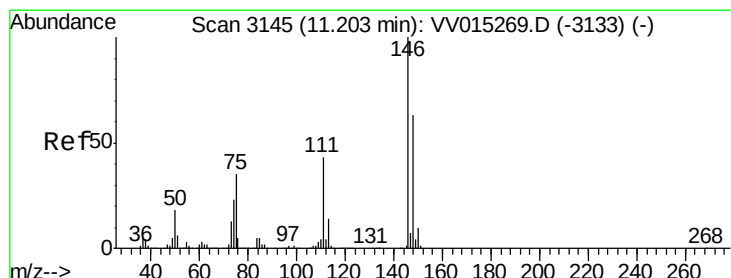
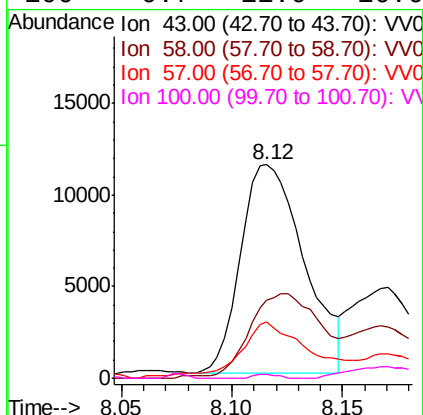
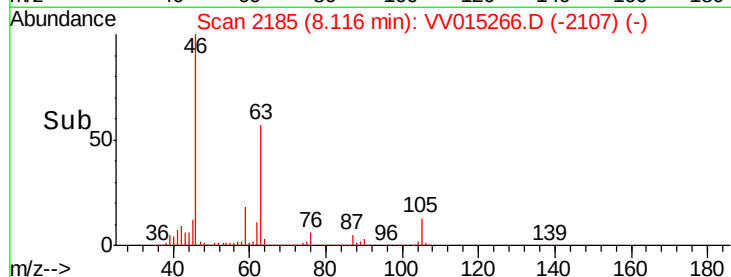
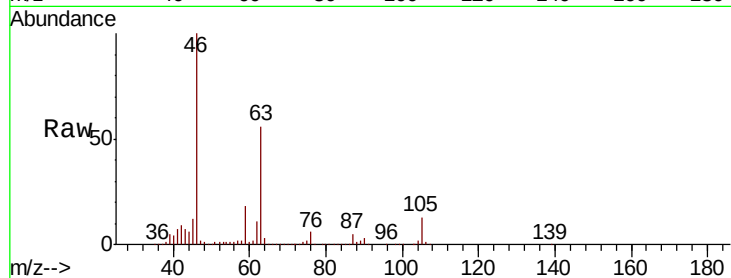




#48
2-Hexanone
Concen: 4.231 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV015266.D
Acq: 30 Mar 2020 11:26

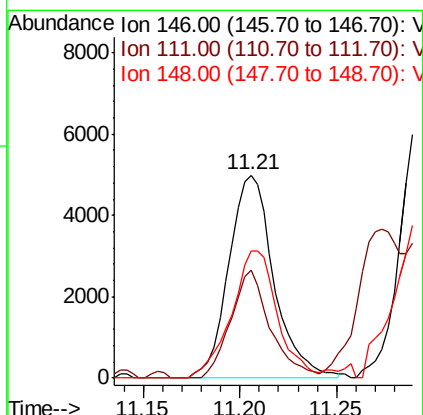
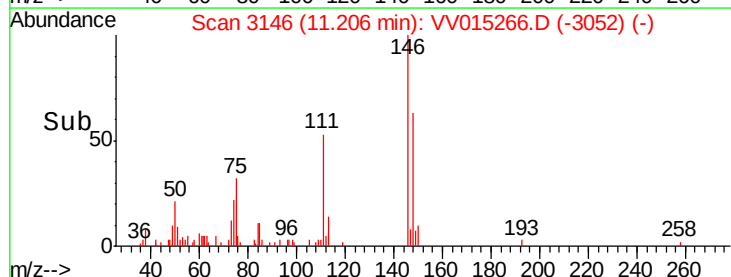
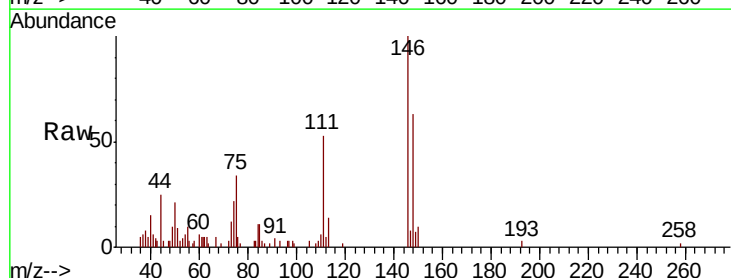
Instrument :
MSVOA_V
ClientSampleId :

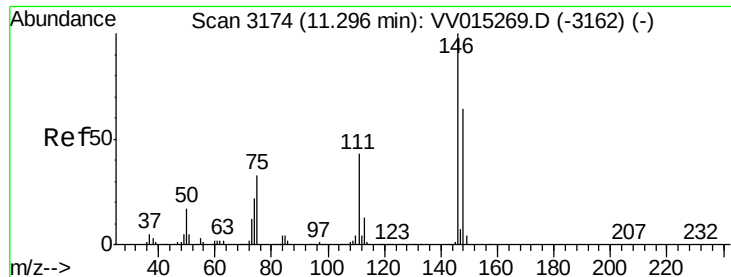
Tot Ion: 43 Resp: 22756
Ion Ratio Lower Upper
43 100
58 42.5 47.0 70.6#
57 27.0 16.2 24.2#
100 0.7 11.0 16.6#



#62
1,3-Dichlorobenzene
Concen: 0.843 ug/L
RT: 11.21 min Scan# 3146
Delta R.T. 0.00 min
Lab File: VV015266.D
Acq: 30 Mar 2020 11:26

Tgt Ion: 146 Resp: 8078
Ion Ratio Lower Upper
146 100
111 53.2 30.4 56.4
148 62.6 43.9 81.5





#63

1,4-Dichlorobenzene

Concen: 1.161 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV015266.D

Acq: 30 Mar 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

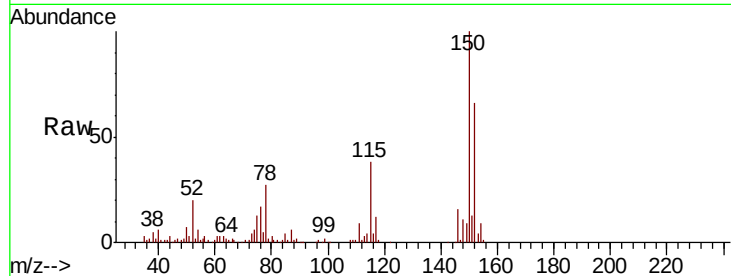
Tot Ion:146 Resp: 11362

Ion Ratio Lower Upper

146 100

111 56.5 30.5 56.7

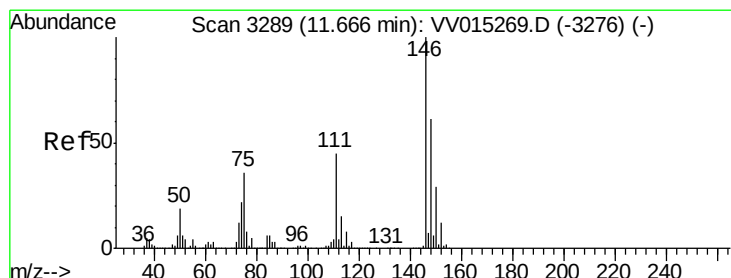
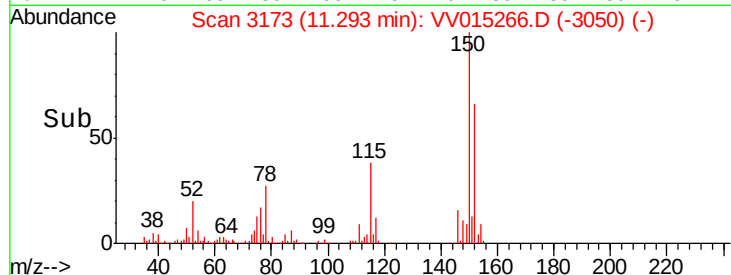
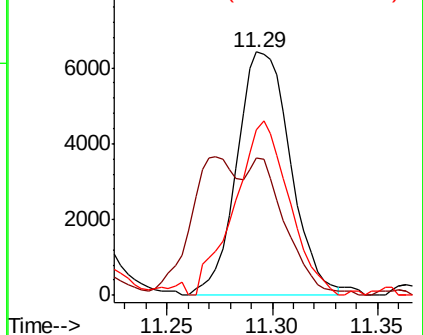
148 68.2 45.0 83.6



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: 0.749 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015266.D

Acq: 30 Mar 2020 11:26

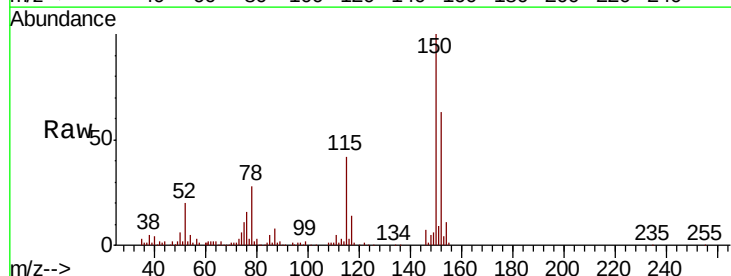
Tgt Ion:146 Resp: 7248

Ion Ratio Lower Upper

146 100

111 66.7 35.8 53.6#

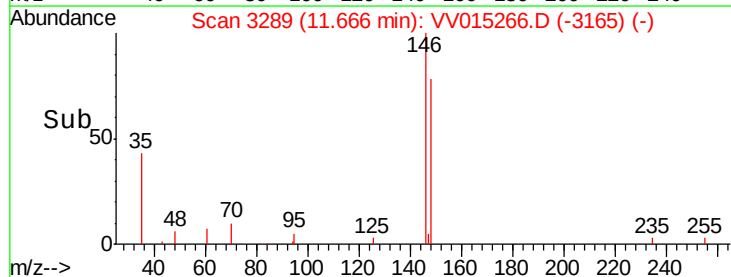
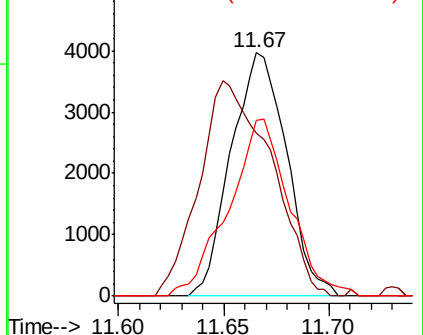
148 72.1 49.1 73.7

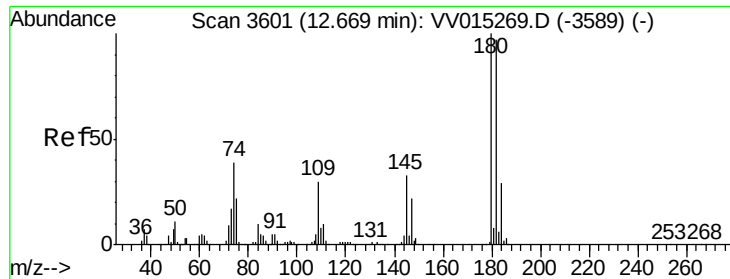


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

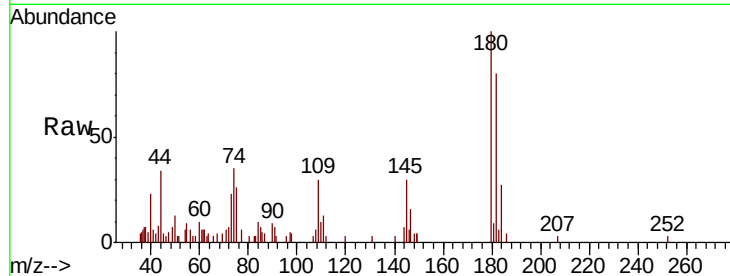




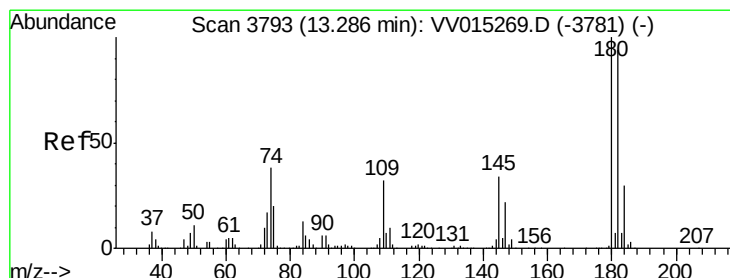
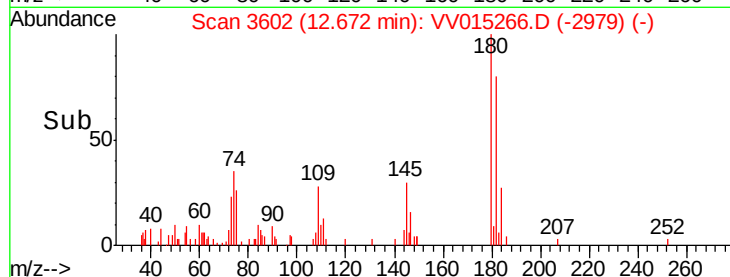
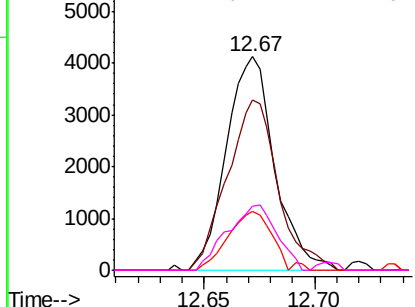
#67
 1,3,5-Trichlorobenzene
 Concen: 1.023 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VV015266.D
 Acq: 30 Mar 2020 11:26

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 6259
 Ion Ratio Lower Upper
 180 100
 182 83.9 76.8 115.2
 184 24.6 23.6 35.4
 145 31.2 27.0 40.6

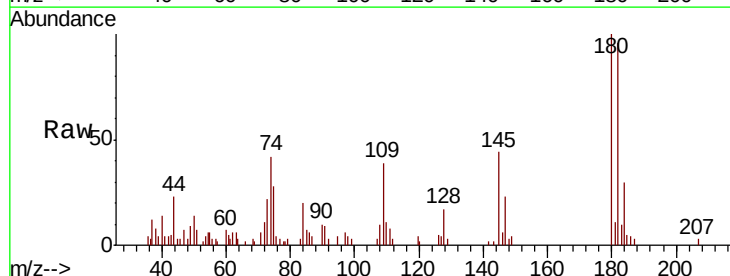


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

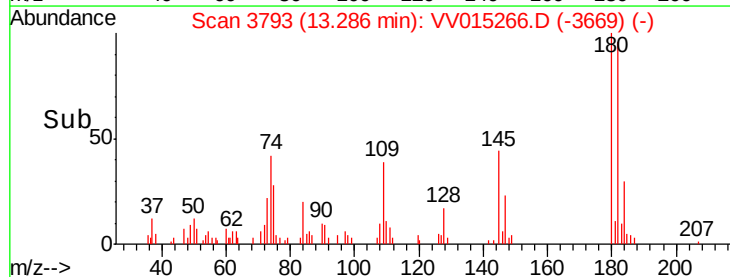
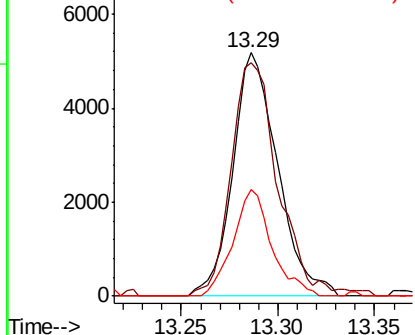


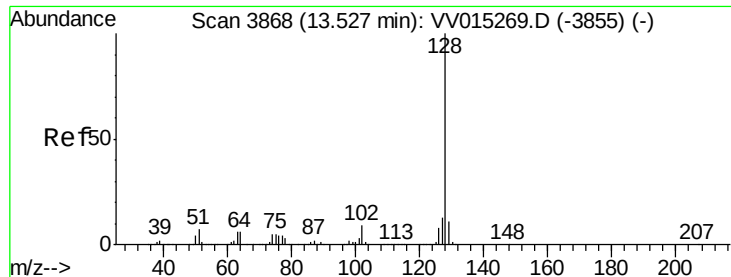
#68
 1,2,4-trichlorobenzene
 Concen: 1.438 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015266.D
 Acq: 30 Mar 2020 11:26

Tgt Ion:180 Resp: 8358
 Ion Ratio Lower Upper
 180 100
 182 97.5 75.2 112.8
 145 37.7 27.3 40.9



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: 2.132 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV015266.D

Acq: 30 Mar 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

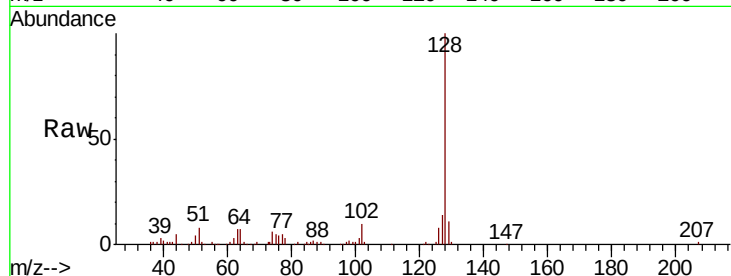
Tot Ion:128 Resp: 49400

Ion Ratio Lower Upper

128 100

127 14.7 10.6 15.8

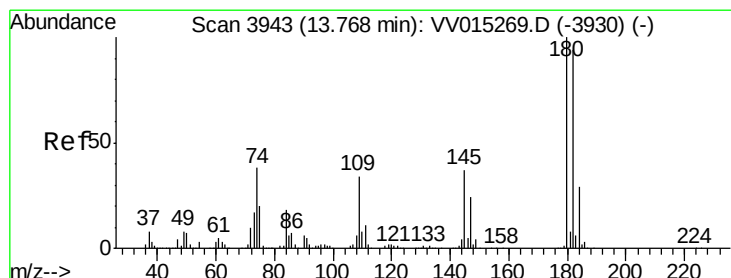
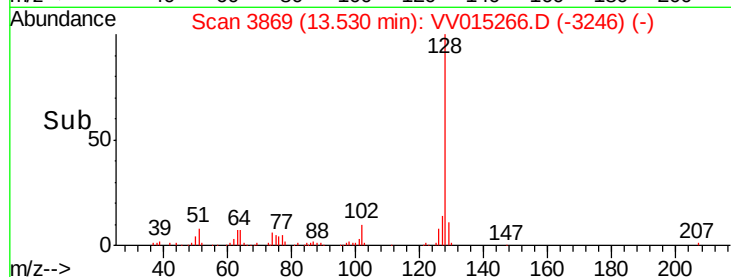
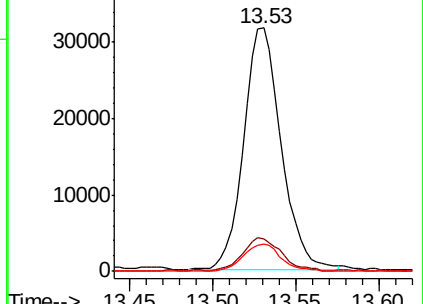
129 11.5 8.6 13.0



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: 1.363 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VV015266.D

Acq: 30 Mar 2020 11:26

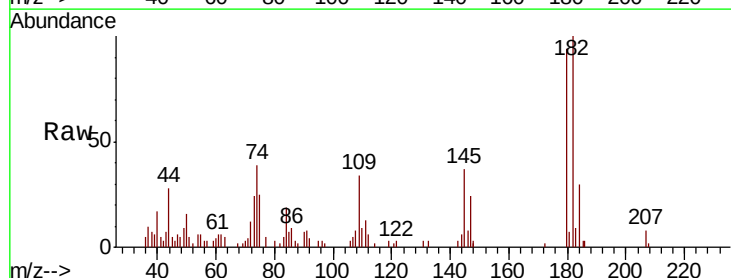
Tgt Ion:180 Resp: 7950

Ion Ratio Lower Upper

180 100

182 101.1 74.7 112.1

145 41.9 29.6 44.4



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

