

Data File : VV013593.D
Acq On : 12 Nov 2019 17:15
Operator : SY/MD
Sample : K5797-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COAMO

Quant Time: Nov 13 04:31:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR110819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 13 04:27:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	368499	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	360904	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	165578	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	66971	4.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.20%
7) Chloroethane-d5	1.58	69	73103	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.00%
11) 1,1-Dichloroethene-d2	2.13	63	90149	2.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.60%#
20) 2-Butanone-d5	3.95	46	273810	49.18	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.36%
24) Chloroform-d	4.40	84	220121	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.20%
26) 1,2-Dichloroethane-d4	5.08	65	109177	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.10	84	364841	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.11	67	129933	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.36	98	291133	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	7.66	79	46643	4.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.40%
46) 2-Hexanone-d5	8.13	63	247979	65.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	130.58%#
57) 1,1,2,2-Tetrachloroethane-	10.26	84	115596	5.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	151479	5.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.80%

Target Compounds

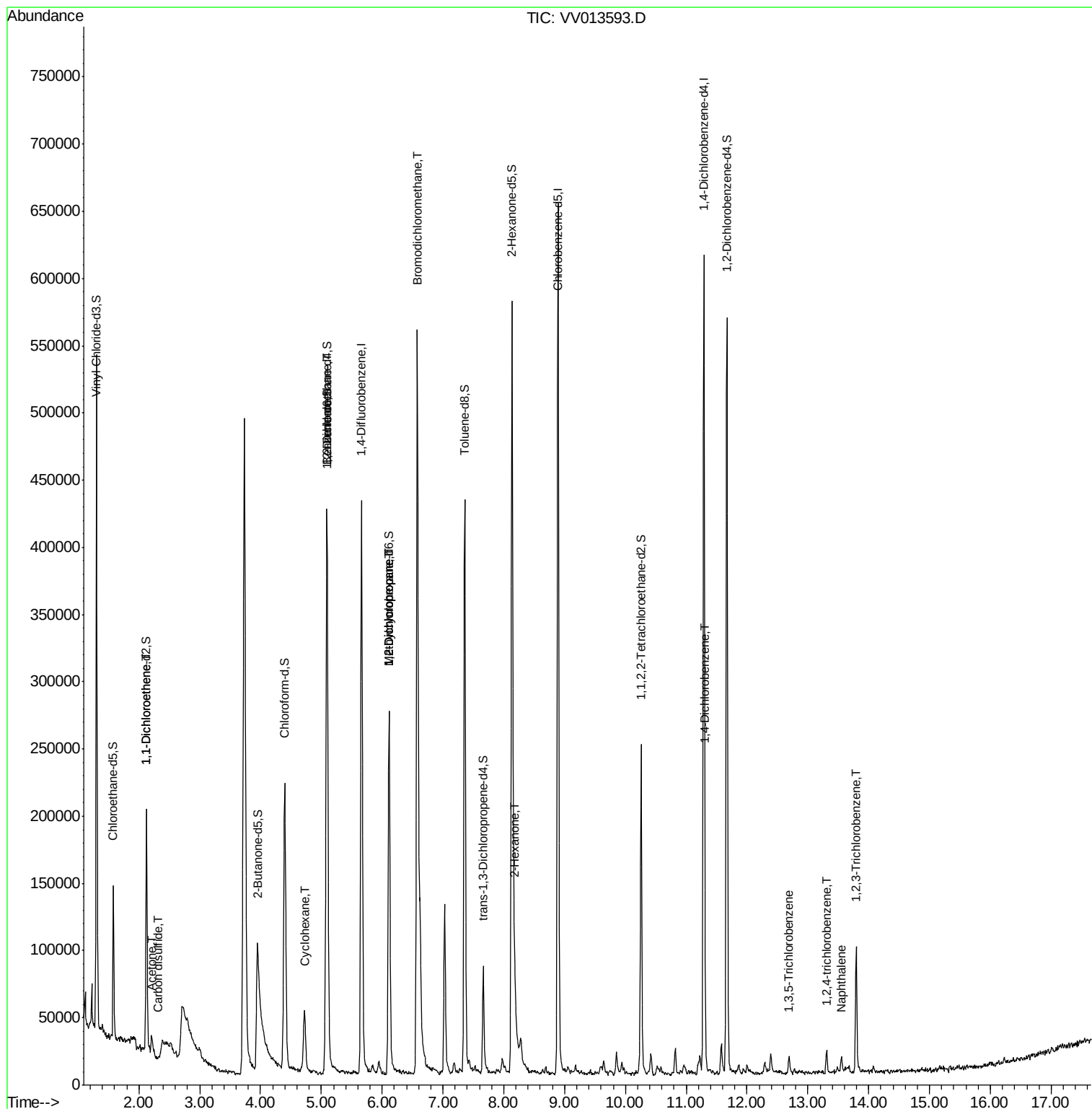
					Qvalue
12) 1,1-Dichloroethene	2.13	96	2001	0.090 ug/L #	1
13) Acetone	2.21	43	52851	15.647 ug/L	82
14) Carbon disulfide	2.32	76	5182	0.078 ug/L #	90
27) 1,2-Dichloroethane	5.09	62	2441	0.081 ug/L	95
30) Cyclohexane	4.72	56	23716	0.527 ug/L	97
35) Methylcyclohexane	6.11	83	33334	0.725 ug/L #	18
37) 1,2-Dichloropropane	6.11	63	14483	0.525 ug/L #	88
38) Bromodichloromethane	6.58	83	10908	0.306 ug/L #	1
48) 2-Hexanone	8.18	43	12810	1.140 ug/L #	67
63) 1,4-Dichlorobenzene	11.32	146	4834	0.087 ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	4304	0.099 ug/L	94
68) 1,2,4-trichlorobenzene	13.31	180	5356	0.155 ug/L	98
69) Naphthalene	13.55	128	9748	0.209 ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	4854	0.150 ug/L	86

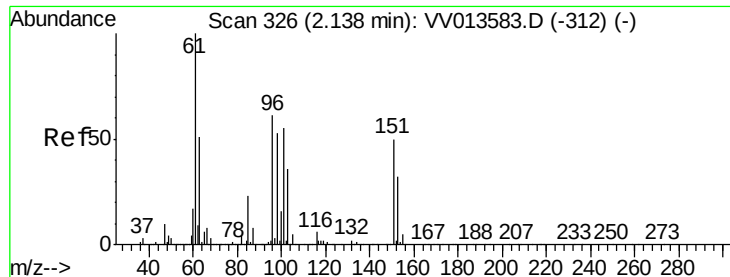
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.090 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV013593.D

Acq: 12 Nov 2019 17:15

Instrument :

MSVOA_V

ClientSampleId :

COAM0

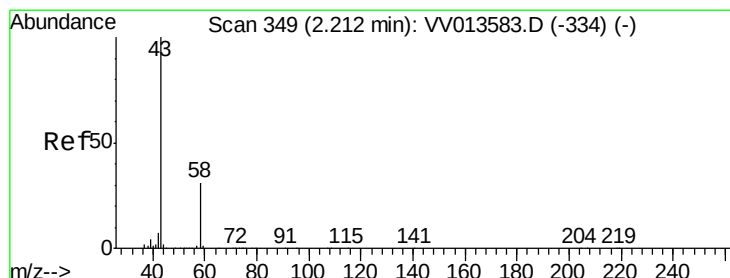
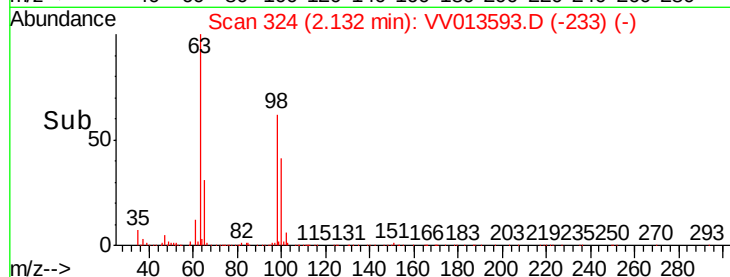
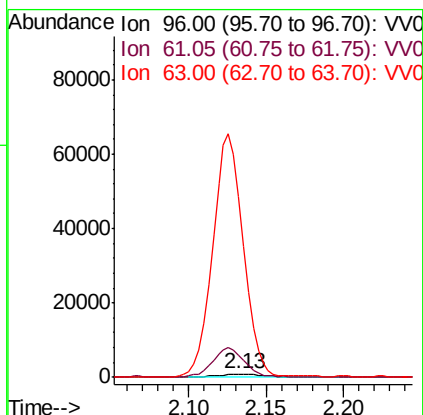
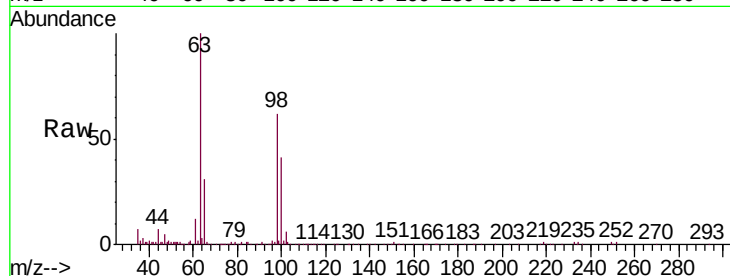
Tgt Ion: 96 Resp: 2001

Ion Ratio Lower Upper

96 100

61 448.9 117.1 217.5#

63 3683.9 68.5 127.1#



#13

Acetone

Concen: 15.647 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.00 min

Lab File: VV013593.D

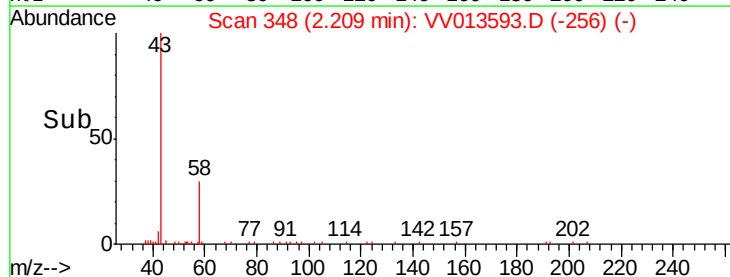
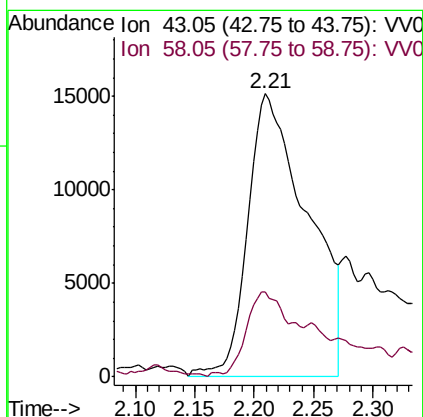
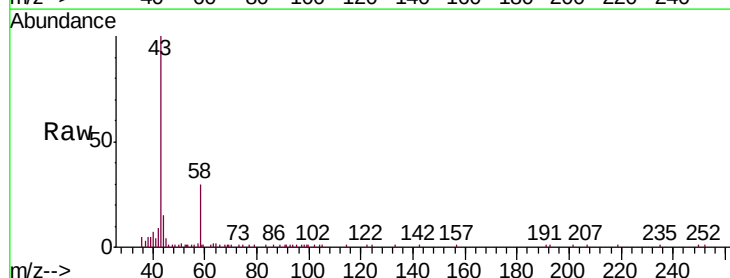
Acq: 12 Nov 2019 17:15

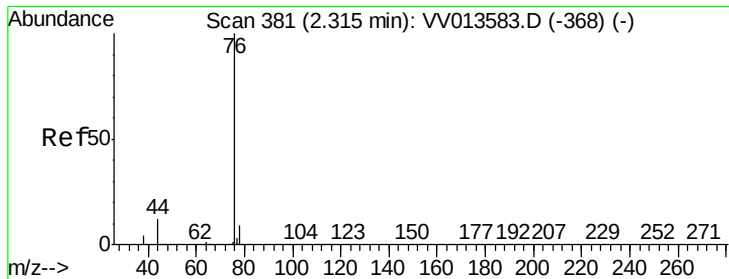
Tgt Ion: 43 Resp: 52851

Ion Ratio Lower Upper

43 100

58 20.6 0.0 60.8





#14

Carbon disulfide

Concen: 0.078 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013593.D

Acq: 12 Nov 2019 17:15

Instrument :

MSVOA_V

ClientSampleId :

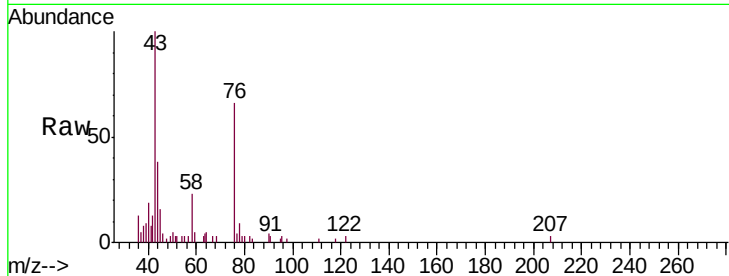
COAM0

Tgt Ion: 76 Resp: 5182

Ion Ratio Lower Upper

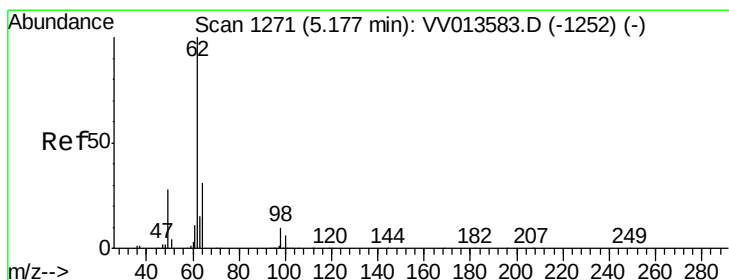
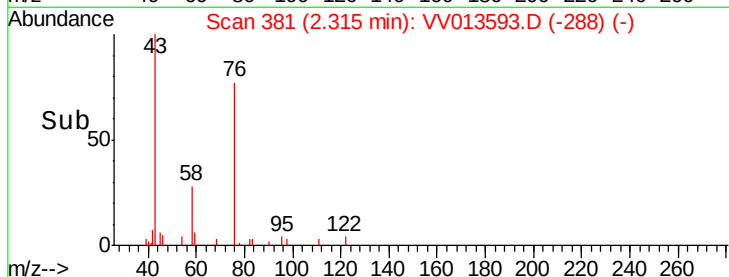
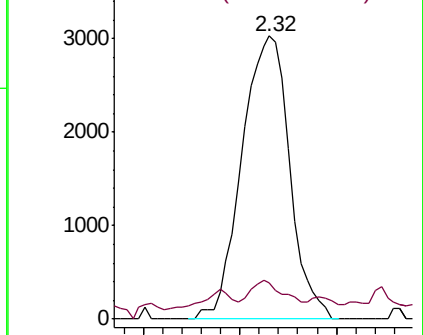
76 100

78 12.9 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#27

1,2-Dichloroethane

Concen: 0.081 ug/L

RT: 5.09 min Scan# 1244

Delta R.T. -0.09 min

Lab File: VV013593.D

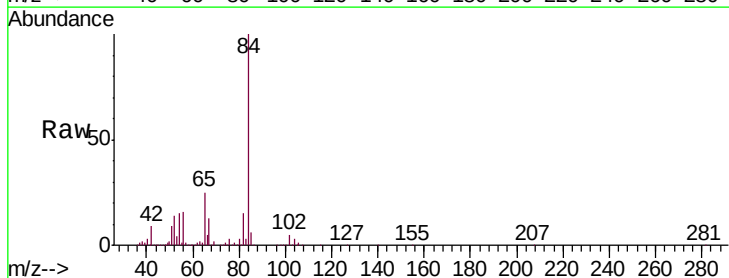
Acq: 12 Nov 2019 17:15

Tgt Ion: 62 Resp: 2441

Ion Ratio Lower Upper

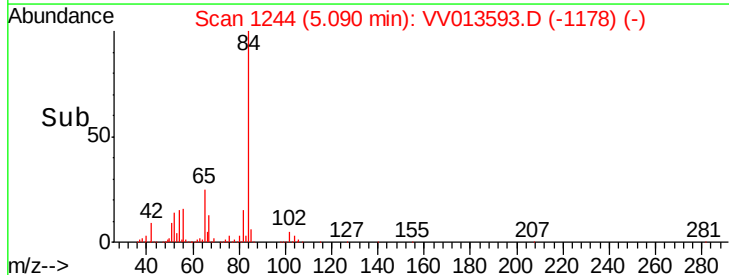
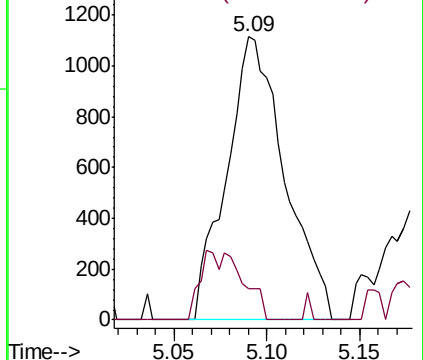
62 100

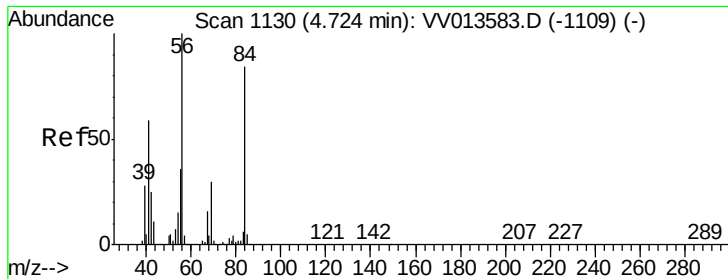
98 10.9 7.4 11.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0

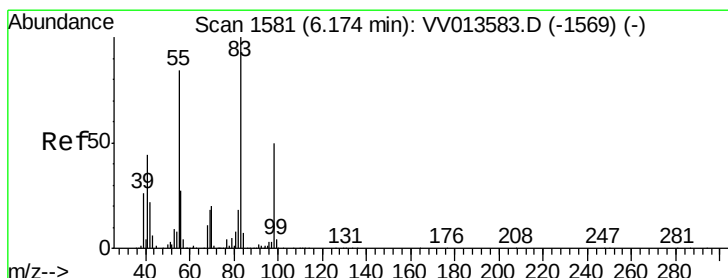
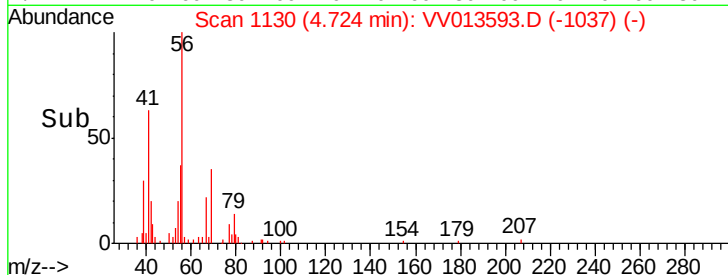
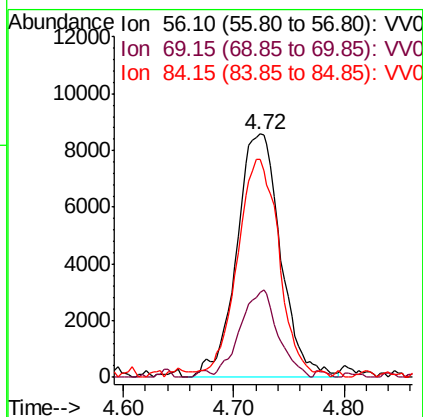
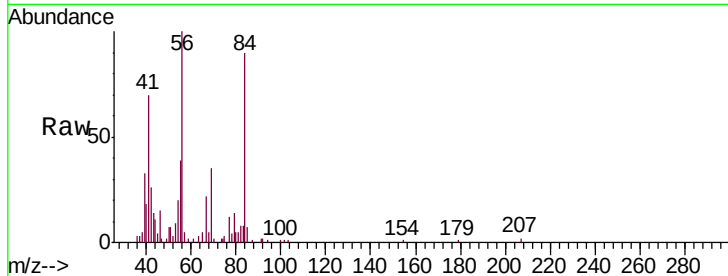




#30
Cyclohexane
Concen: 0.527 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV013593.D
Acq: 12 Nov 2019 17:15

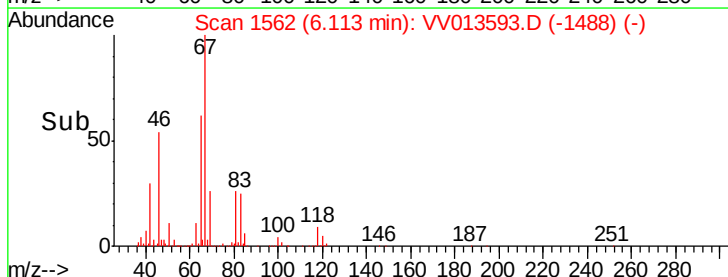
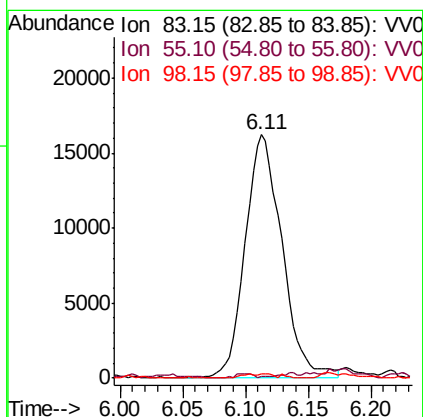
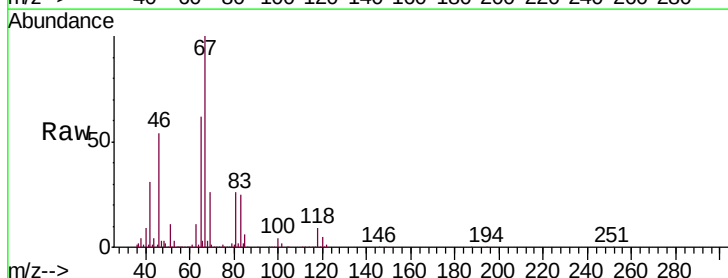
Instrument :
MSVOA_V
ClientSampleId :
COAM0

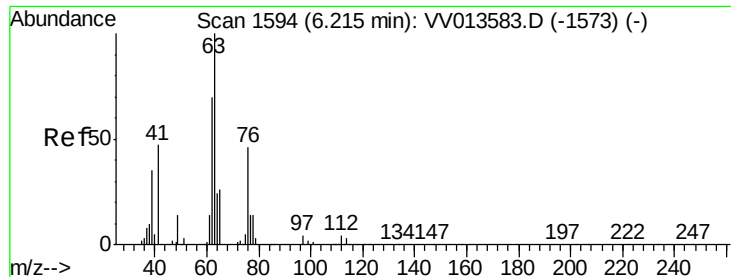
Tgt Ion: 56 Resp: 23716
Ion Ratio Lower Upper
56 100
69 30.8 22.9 34.3
84 86.2 67.2 100.8



#35
Methylcyclohexane
Concen: 0.725 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV013593.D
Acq: 12 Nov 2019 17:15

Tgt Ion: 83 Resp: 33334
Ion Ratio Lower Upper
83 100
55 0.9 63.8 95.8#
98 1.3 38.4 57.6#

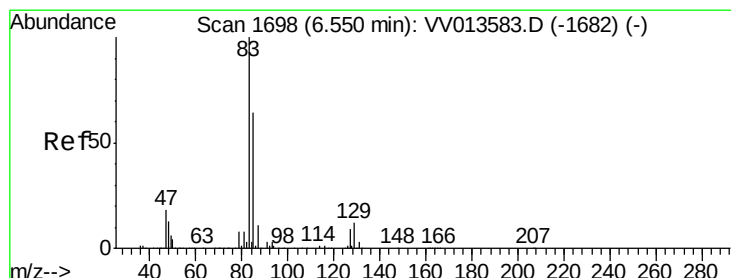
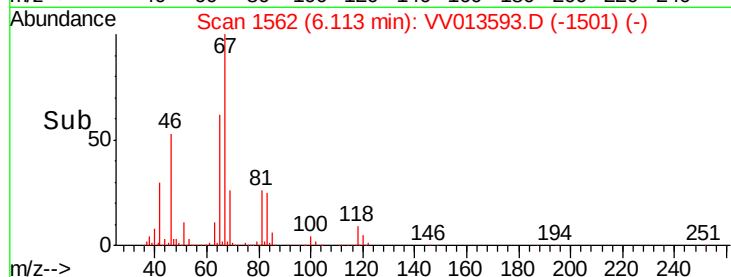
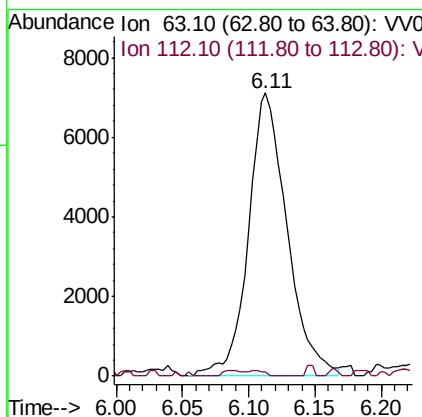
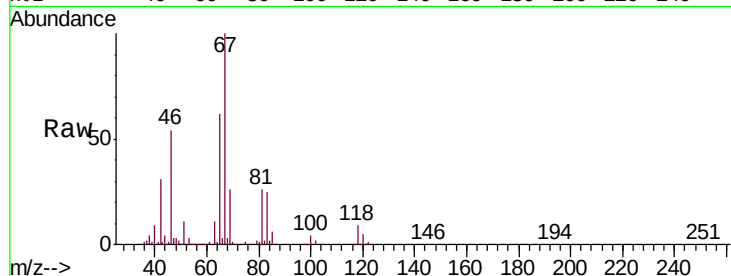




#37
 1,2-Dichloropropane
 Concen: 0.525 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.10 min
 Lab File: VV013593.D
 Acq: 12 Nov 2019 17:15

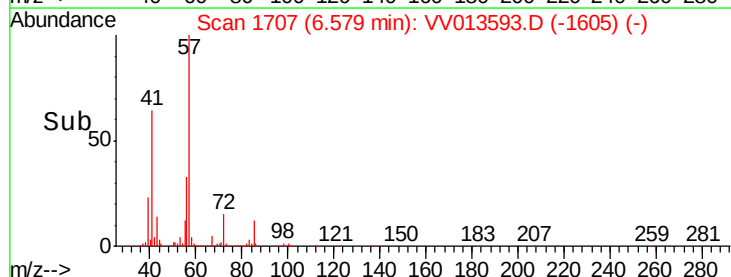
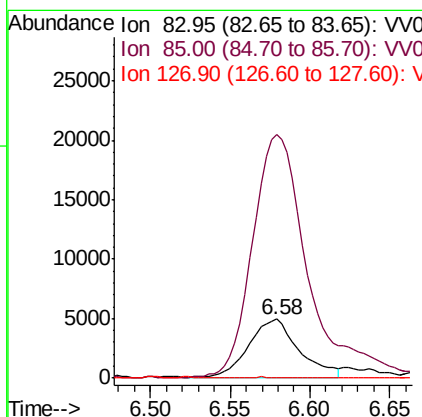
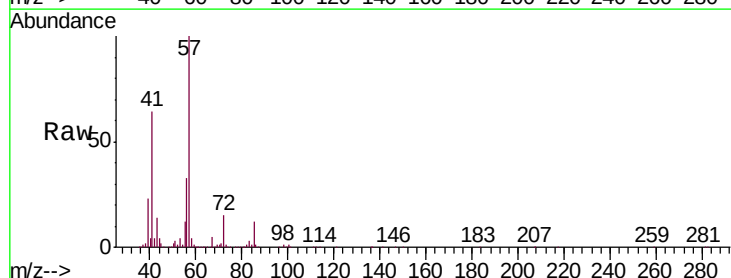
Instrument :
 MSVOA_V
 ClientSampleId :
 COAMO

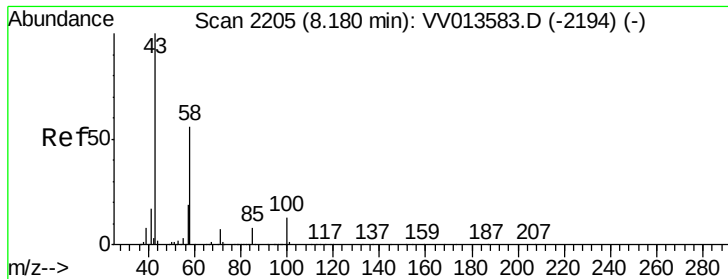
Tgt Ion: 63 Resp: 14483
 Ion Ratio Lower Upper
 63 100
 112 0.8 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 0.306 ug/L
 RT: 6.58 min Scan# 1707
 Delta R.T. 0.03 min
 Lab File: VV013593.D
 Acq: 12 Nov 2019 17:15

Tgt Ion: 83 Resp: 10908
 Ion Ratio Lower Upper
 83 100
 85 414.2 43.6 81.0#
 127 0.0 6.5 9.7#

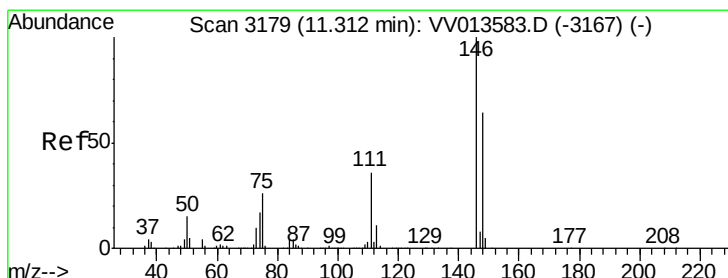
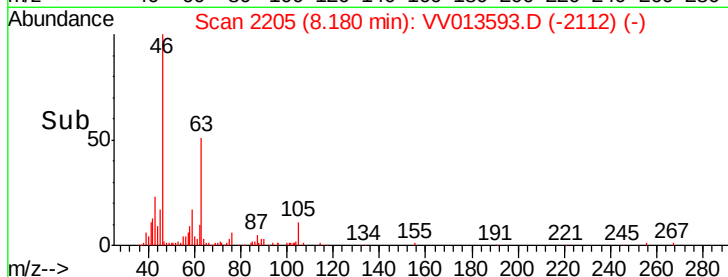
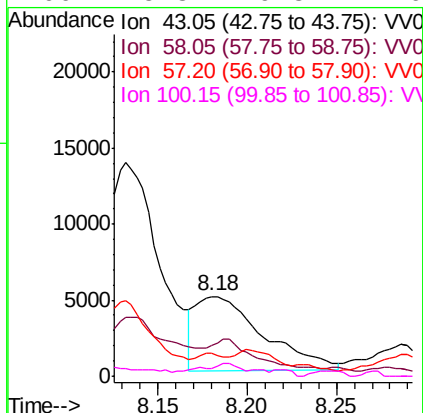
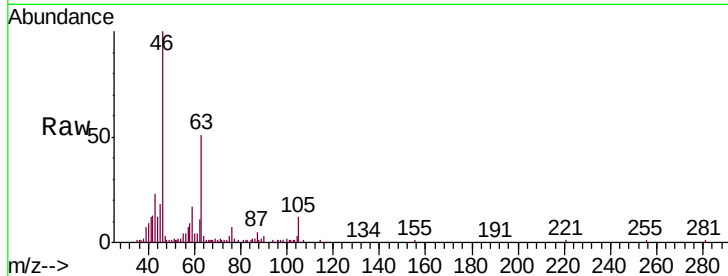




#48
 2-Hexanone
 Concen: 1.140 ug/L
 RT: 8.18 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VV013593.D
 Acq: 12 Nov 2019 17:15

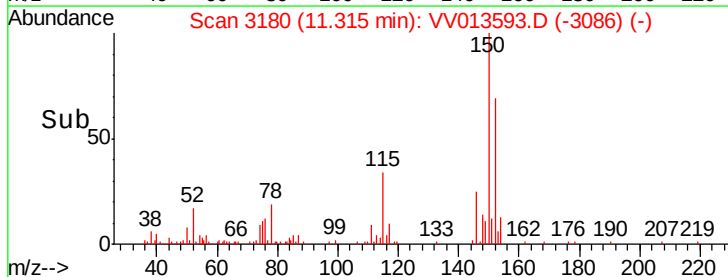
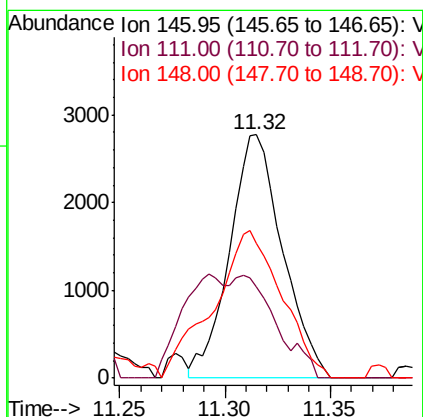
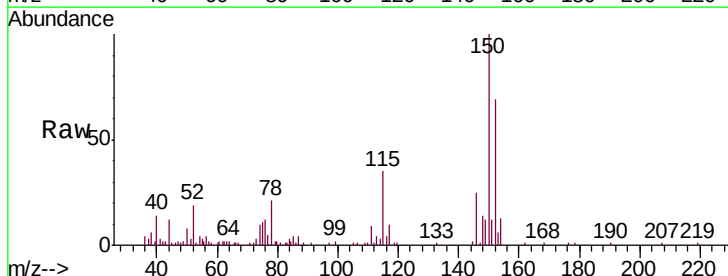
Instrument :
 MSVOA_V
 ClientSampleId :
 COAM0

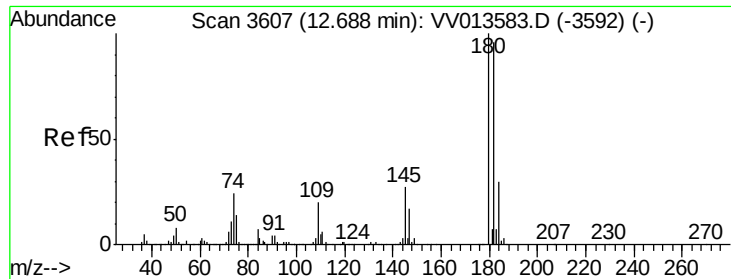
Tgt Ion: 43 Resp: 12810
 Ion Ratio Lower Upper
 43 100
 58 23.6 43.8 65.8#
 57 11.9 15.0 22.6#
 100 5.8 9.8 14.6#



#63
 1,4-Dichlorobenzene
 Concen: 0.087 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013593.D
 Acq: 12 Nov 2019 17:15

Tgt Ion: 146 Resp: 4834
 Ion Ratio Lower Upper
 146 100
 111 37.8 25.2 46.8
 148 55.3 44.7 82.9

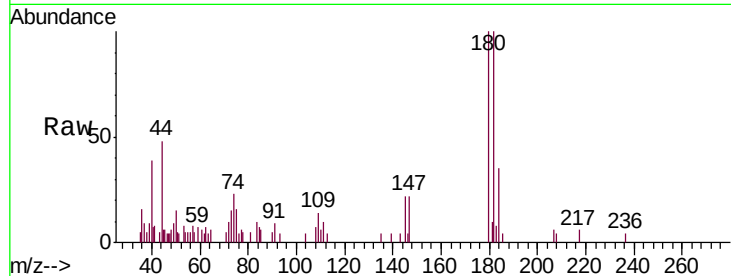




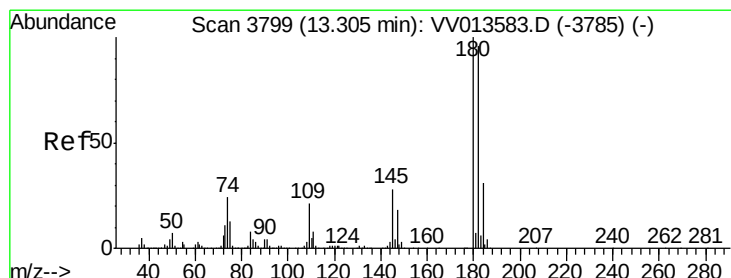
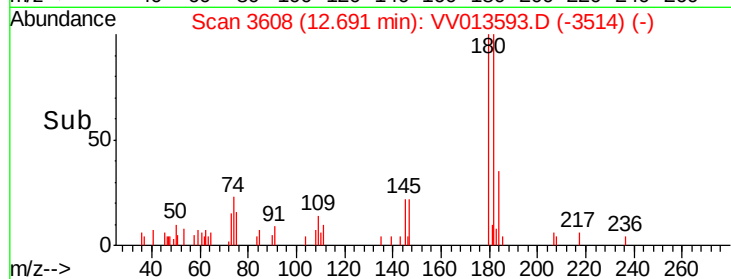
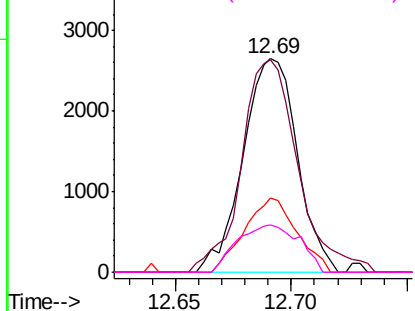
#67
 1,3,5-Trichlorobenzene
 Concen: 0.099 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013593.D
 Acq: 12 Nov 2019 17:15

Instrument :
 MSVOA_V
 ClientSampleId :
 COAM0

Tgt Ion:180 Resp: 4304
 Ion Ratio Lower Upper
 180 100
 182 103.5 76.8 115.2
 184 33.5 25.0 37.6
 145 25.4 22.1 33.1

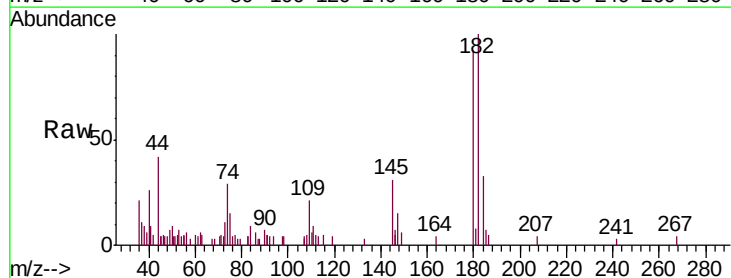


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

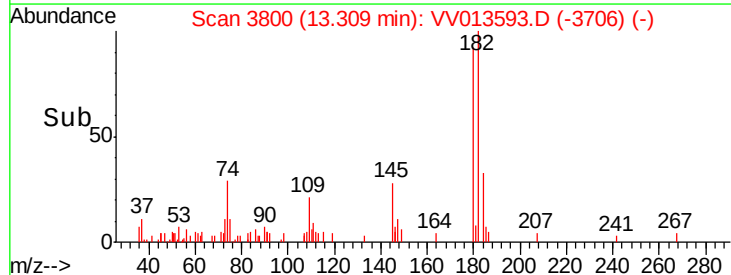
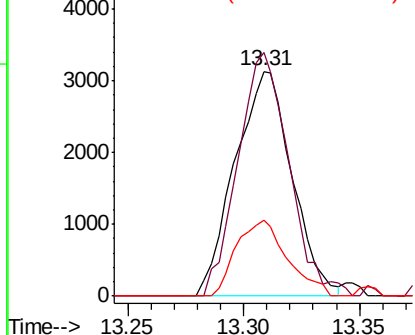


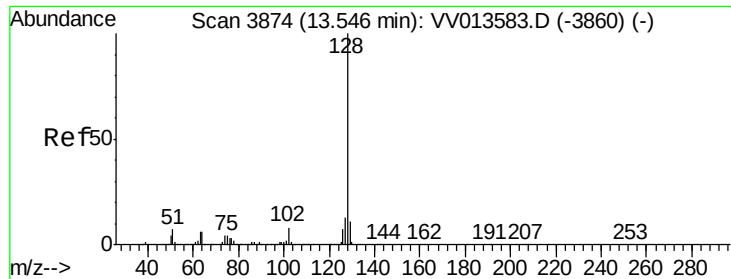
#68
 1,2,4-trichlorobenzene
 Concen: 0.155 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013593.D
 Acq: 12 Nov 2019 17:15

Tgt Ion:180 Resp: 5356
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.6 115.0
 145 30.2 22.2 33.4



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.209 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013593.D

Acq: 12 Nov 2019 17:15

Instrument :

MSVOA_V

ClientSampleId :

COAMO

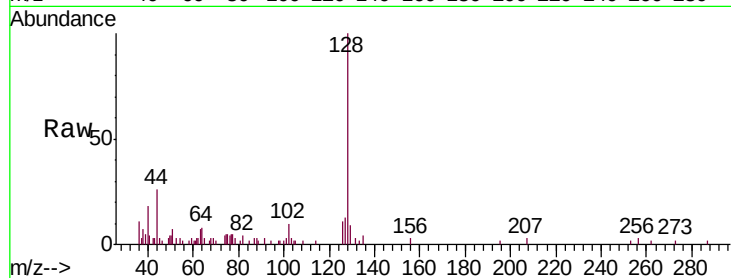
Tgt Ion:128 Resp: 9748

Ion Ratio Lower Upper

128 100

129 12.0 8.5 12.7

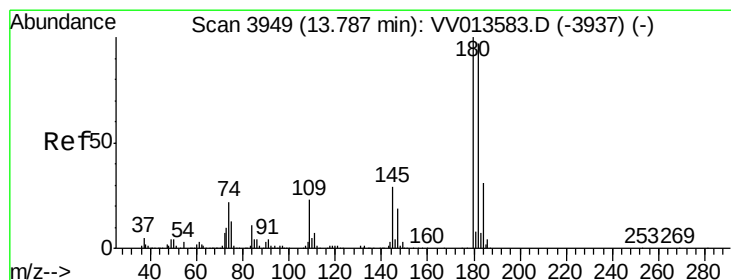
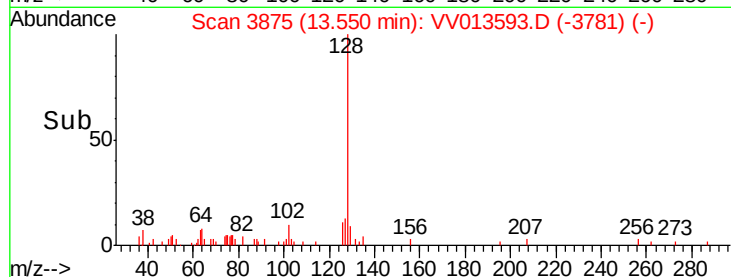
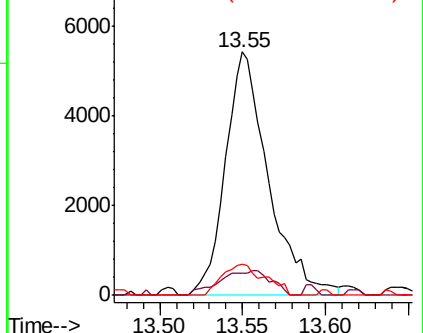
127 12.6 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.150 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013593.D

Acq: 12 Nov 2019 17:15

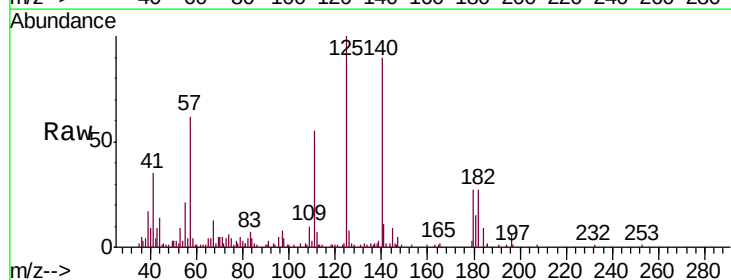
Tgt Ion:180 Resp: 4854

Ion Ratio Lower Upper

180 100

182 110.2 76.2 114.4

145 33.9 23.2 34.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

