

Data File : VV013250.D
Acq On : 21 Oct 2019 17:47
Operator : SY/MD
Sample : VIBLK41
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VIBLK41

Quant Time: Oct 22 02:55:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 22 02:50:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	508290	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	541936	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	277866	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	187952	5.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.40%
7) Chloroethane-d5	1.58	69	158809	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.60%
11) 1,1-Dichloroethene-d2	2.13	63	244875	3.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.40%
20) 2-Butanone-d5	3.95	46	363946	50.57	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.14%
24) Chloroform-d	4.40	84	410315	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.08	65	202399	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.10	84	866313	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.12	67	263921	5.00	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.36	98	756006	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
43) trans-1,3-Dichloropropene-	7.66	79	91529	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.14	63	323683	45.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.92%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	180834	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	289612	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4199	0.100	ug/L #	19
14) Carbon disulfide	2.32	76	17521	0.153	ug/L #	85
16) Methylene chloride	2.53	84	16142	0.269	ug/L	95
27) 1,2-Dichloroethane	5.09	62	4454	0.084	ug/L	98
37) 1,2-Dichloropropane	6.11	63	26426	0.526	ug/L #	87
44) trans-1,3-Dichloropropene	7.69	75	3140	0.059	ug/L	87
48) 2-Hexanone	8.18	43	15648	0.853	ug/L #	73
51) Chlorobenzene	8.93	112	8600	0.060	ug/L	97
55) Styrene	9.61	104	7572	0.054	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	13405	0.137	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	16157	0.163	ug/L	92
65) 1,2-Dichlorobenzene	11.68	146	12128	0.135	ug/L #	89
67) 1,3,5-Trichlorobenzene	12.69	180	16014	0.221	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	21306	0.337	ug/L	99
69) Naphthalene	13.55	128	32356	0.371	ug/L	95
70) 1,2,3-Trichlorobenzene	13.79	180	21280	0.362	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102119\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

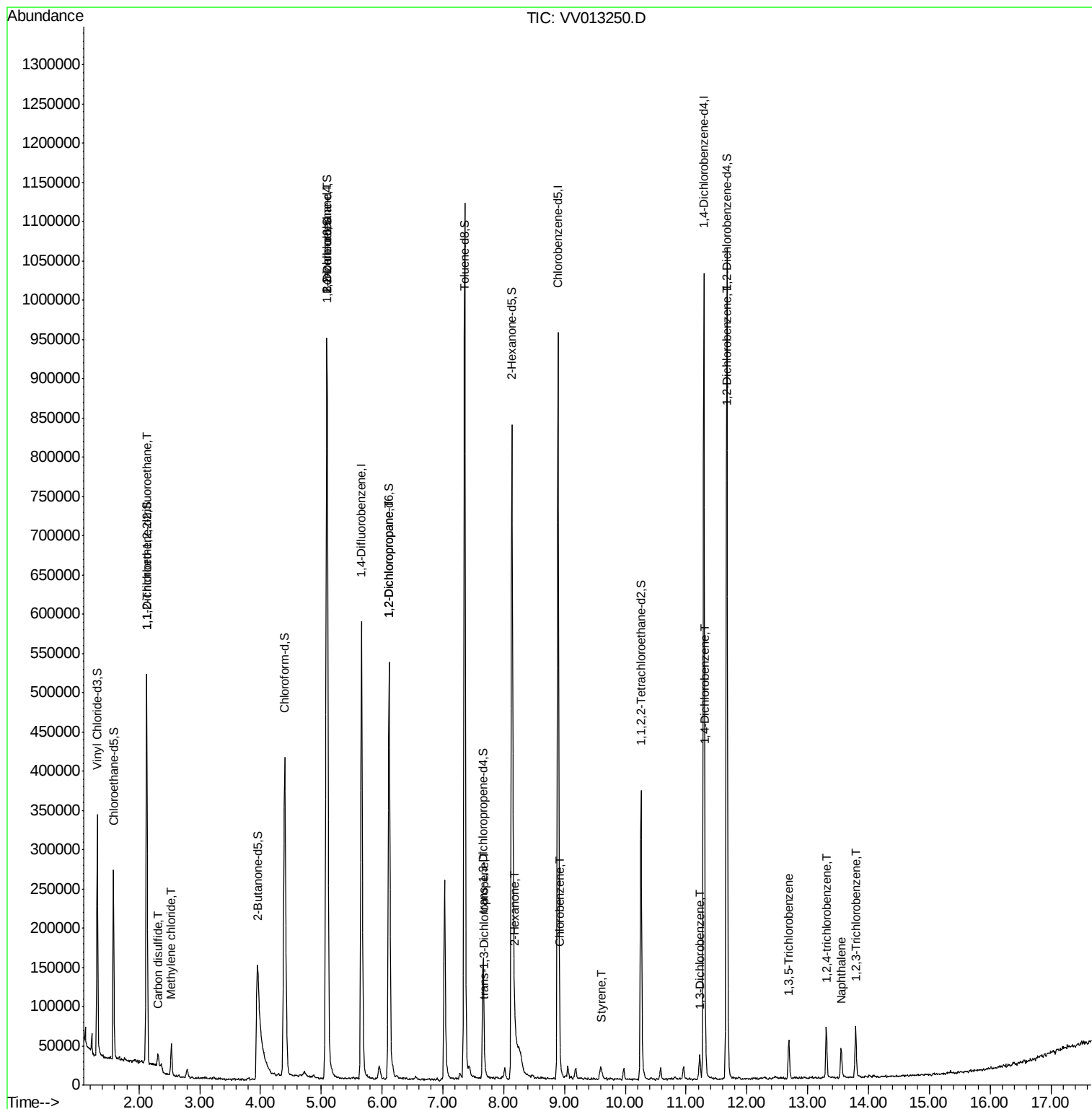
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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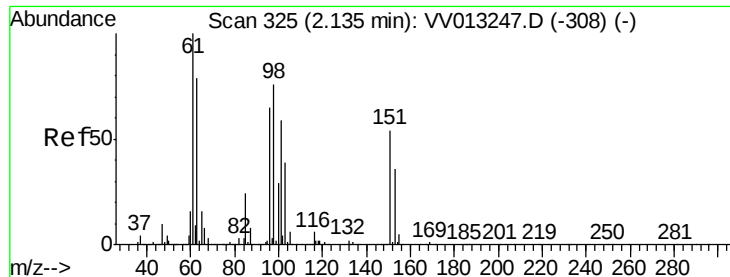
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.100 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013250.D

Acq: 21 Oct 2019 17:47

Instrument :

MSVOA_V

ClientSampleId :

VIBLK41

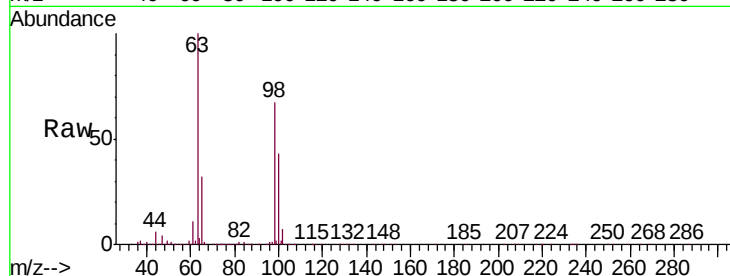
Tgt Ion:101 Resp: 4199

Ion Ratio Lower Upper

101 100

85 11.3 31.8 47.8#

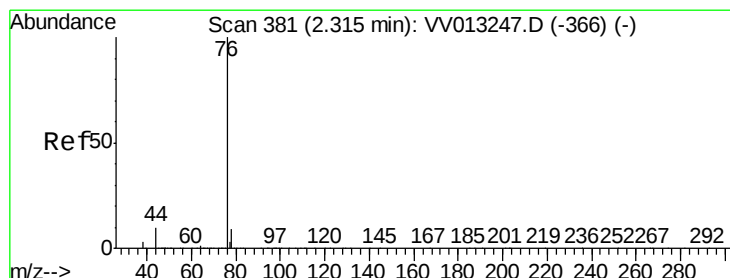
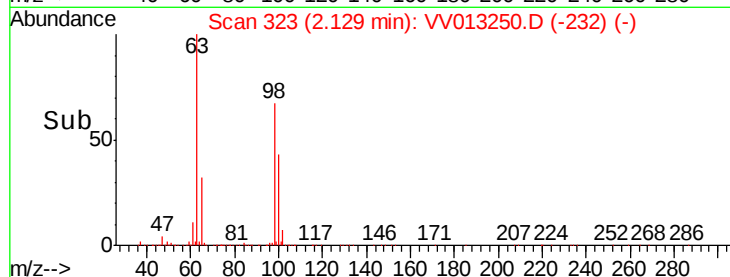
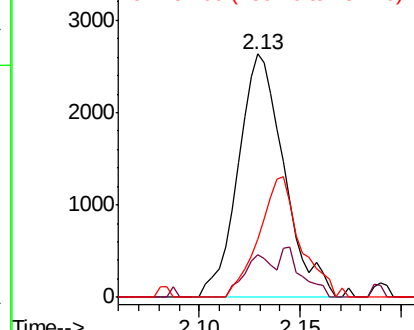
151 0.0 72.9 109.3#



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



#14

Carbon disulfide

Concen: 0.153 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013250.D

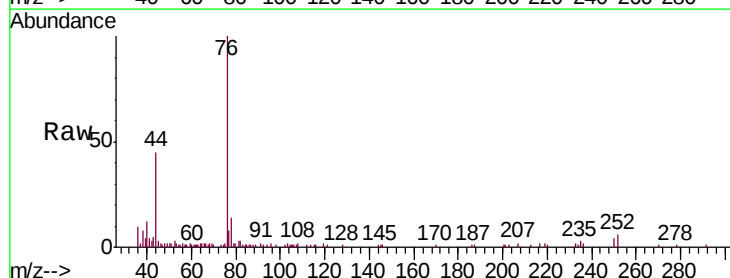
Acq: 21 Oct 2019 17:47

Tgt Ion: 76 Resp: 17521

Ion Ratio Lower Upper

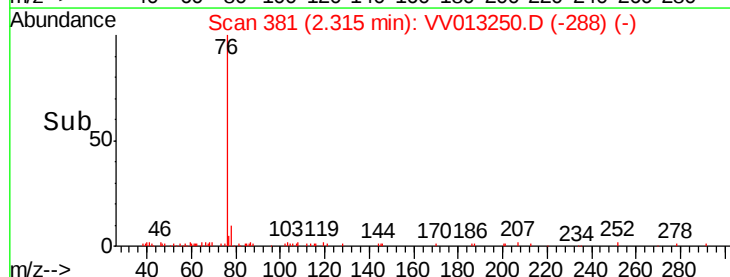
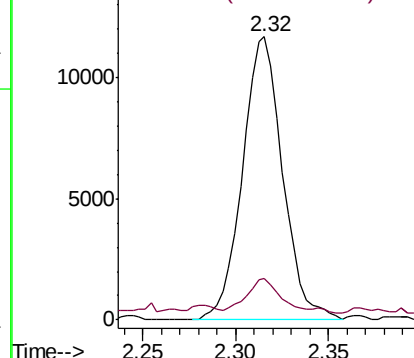
76 100

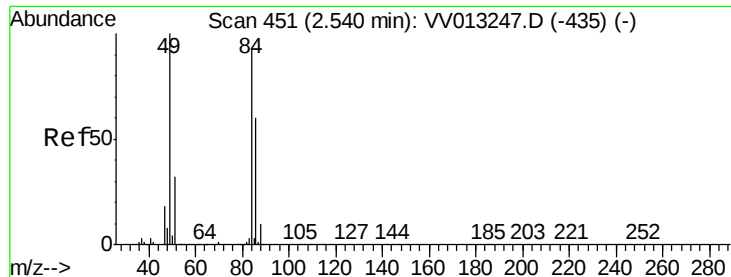
78 14.5 7.3 10.9#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

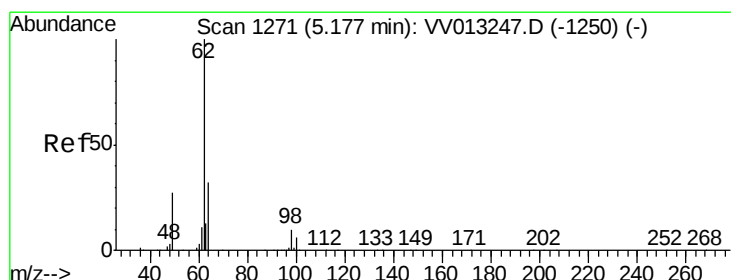
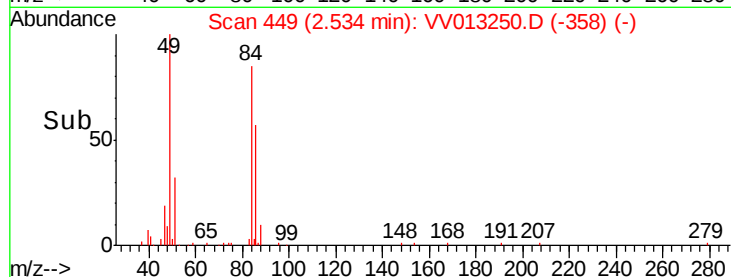
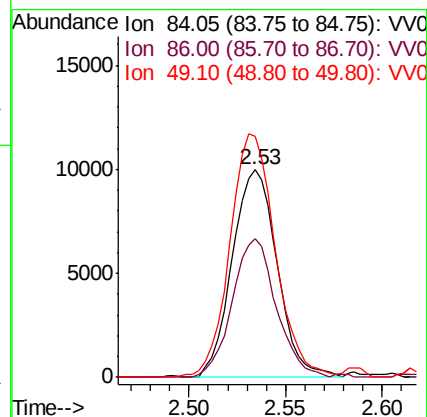
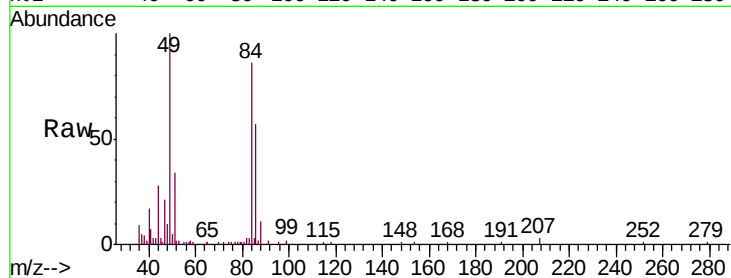




#16
Methylene chloride
Concen: 0.269 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.01 min
Lab File: VV013250.D
Acq: 21 Oct 2019 17:47

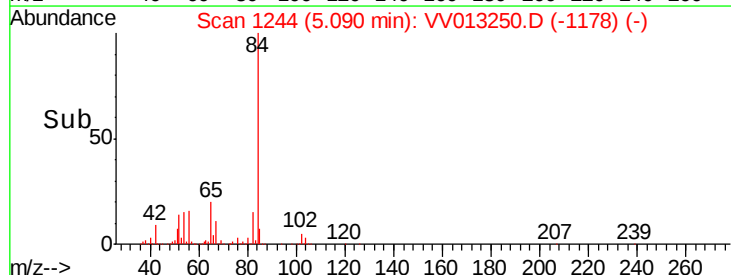
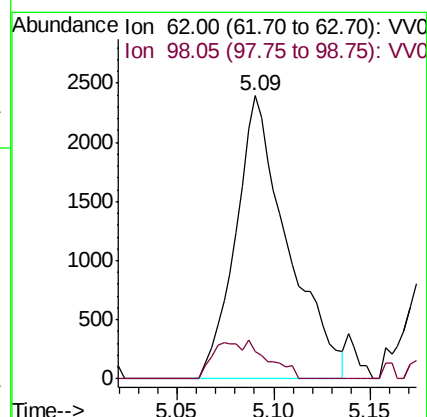
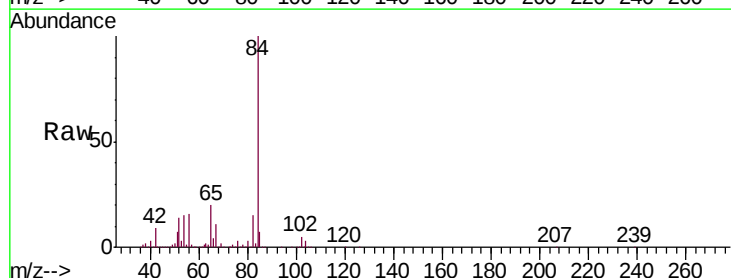
Instrument :
MSVOA_V
ClientSampleId :
VIBLK41

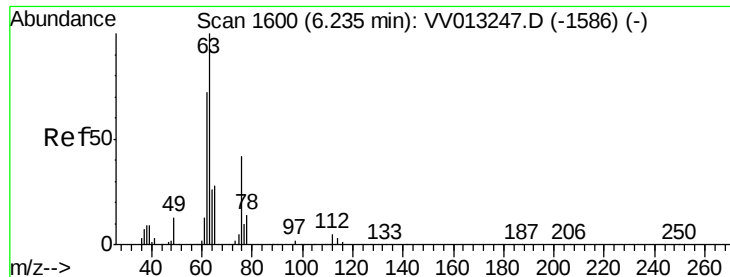
Tgt Ion: 84 Resp: 16142
Ion Ratio Lower Upper
84 100
86 66.7 46.2 85.8
49 116.4 76.4 141.8



#27
1,2-Dichloroethane
Concen: 0.084 ug/L
RT: 5.09 min Scan# 1244
Delta R.T. -0.09 min
Lab File: VV013250.D
Acq: 21 Oct 2019 17:47

Tgt Ion: 62 Resp: 4454
Ion Ratio Lower Upper
62 100
98 9.5 8.3 12.5





#37

1,2-Dichloropropane

Concen: 0.526 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.12 min

Lab File: VV013250.D

Acq: 21 Oct 2019 17:47

Instrument :

MSVOA_V

ClientSampleId :

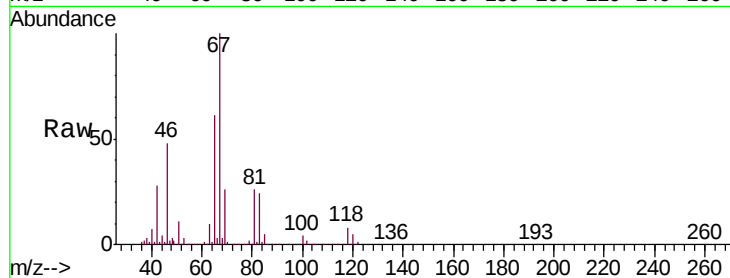
VIBLK41

Tgt Ion: 63 Resp: 26426

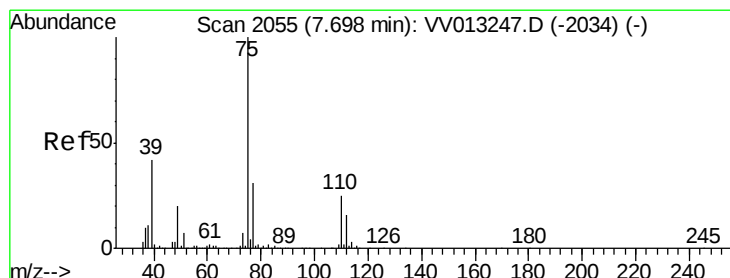
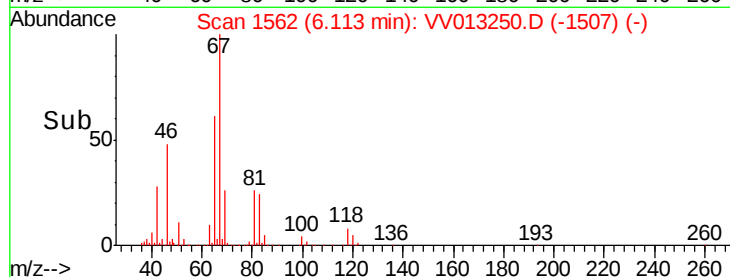
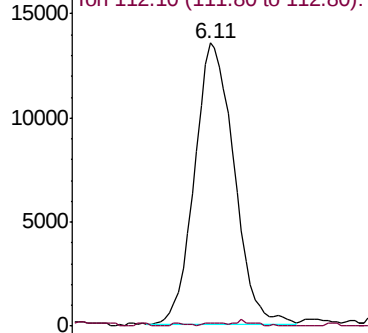
Ion Ratio Lower Upper

63 100

112 0.7 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV013247.D (-1586) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.059 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.01 min

Lab File: VV013250.D

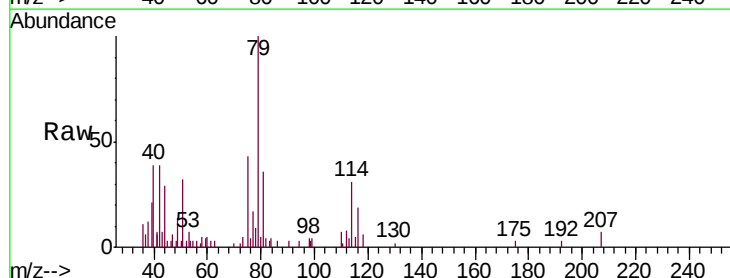
Acq: 21 Oct 2019 17:47

Tgt Ion: 75 Resp: 3140

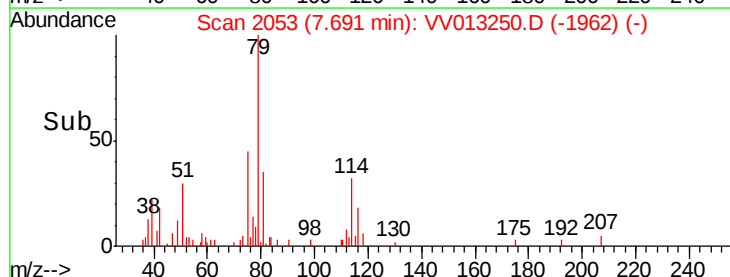
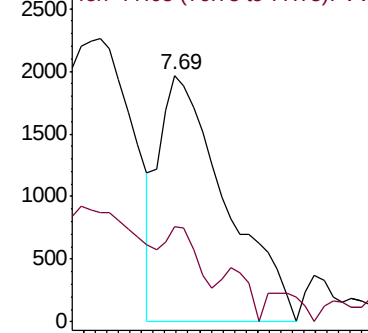
Ion Ratio Lower Upper

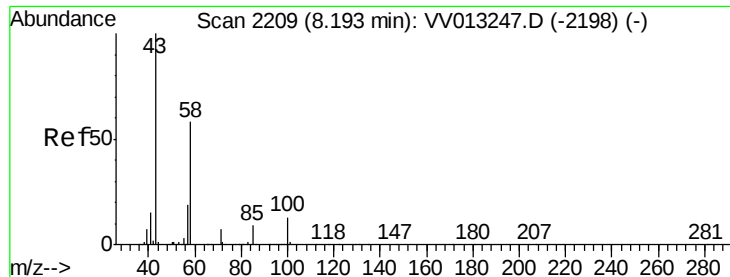
75 100

77 38.4 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV013247.D (-2034) (-)

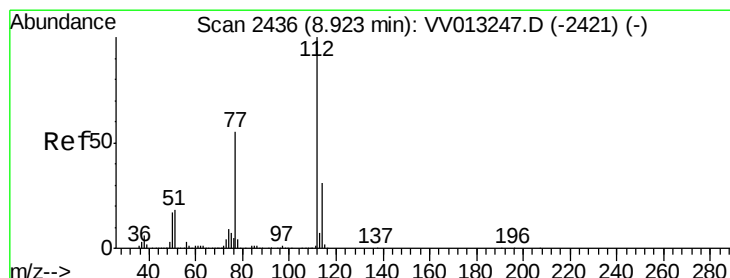
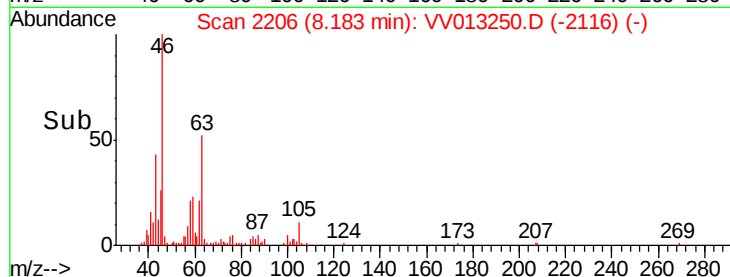
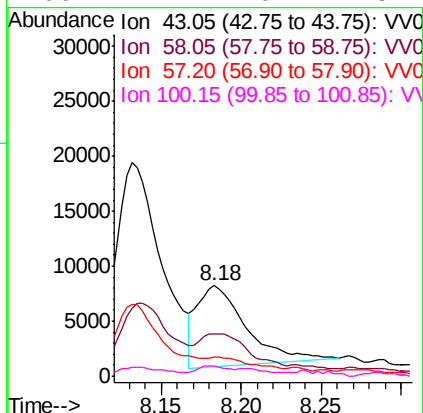
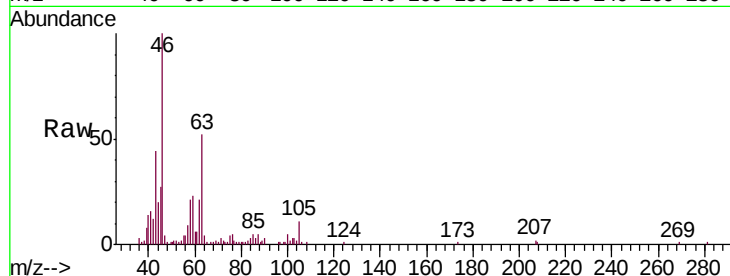




#48
2-Hexanone
Concen: 0.853 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.01 min
Lab File: VV013250.D
Acq: 21 Oct 2019 17:47

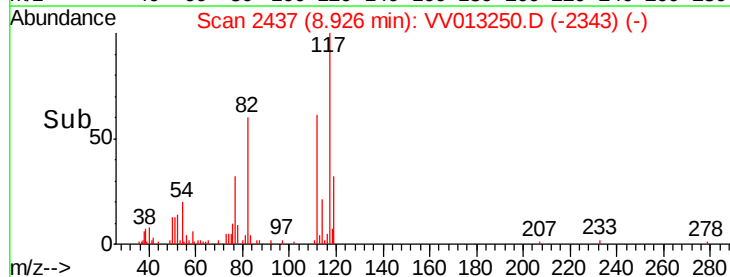
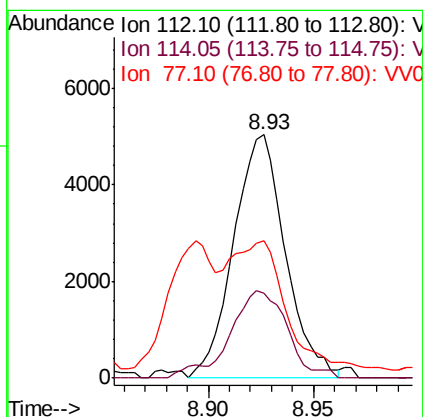
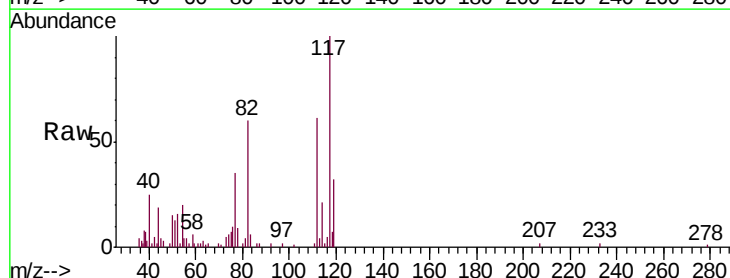
Instrument :
MSVOA_V
ClientSampled :
VIBLK41

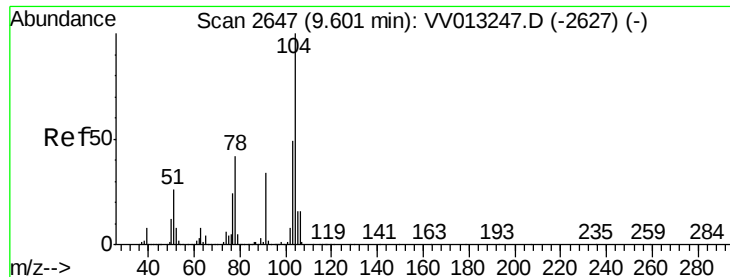
Tgt Ion:	43	Resp:	15648
Ion	Ratio	Lower	Upper
43	100		
58	39.6	45.1	67.7#
57	0.0	15.5	23.3#
100	4.4	10.2	15.2#



#51
Chlorobenzene
Concen: 0.060 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV013250.D
Acq: 21 Oct 2019 17:47

Tgt Ion:	112	Resp:	8600
Ion	Ratio	Lower	Upper
112	100		
114	34.7	21.8	40.6
77	56.6	44.4	66.6





#55

Styrene

Concen: 0.054 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.01 min

Lab File: VV013250.D

Acq: 21 Oct 2019 17:47

Instrument :

MSVOA_V

ClientSampleId :

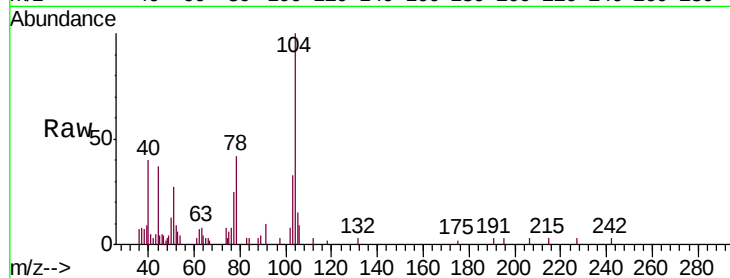
VIBLK41

Tgt Ion:104 Resp: 7572

Ion Ratio Lower Upper

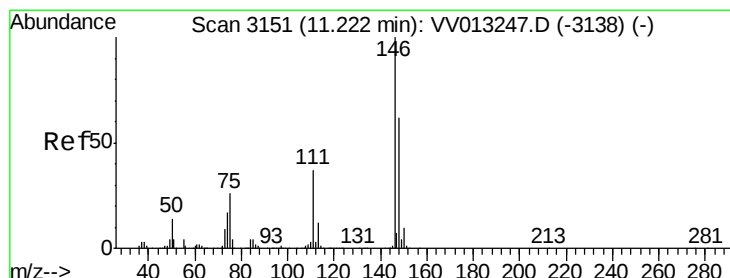
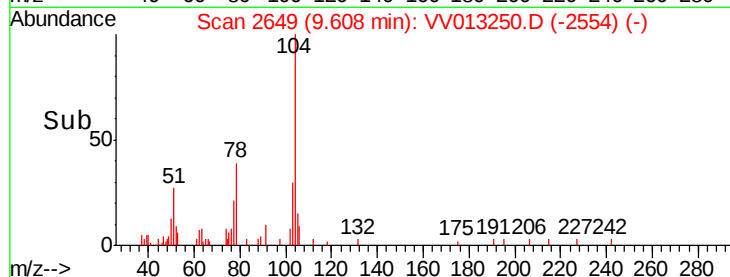
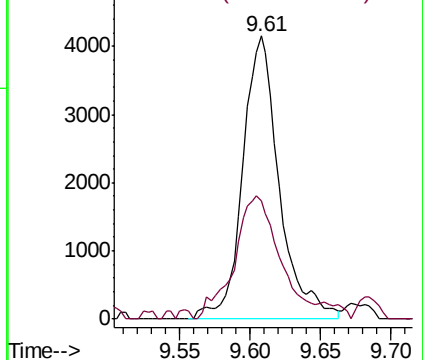
104 100

78 41.8 29.6 55.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



#62

1,3-Dichlorobenzene

Concen: 0.137 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013250.D

Acq: 21 Oct 2019 17:47

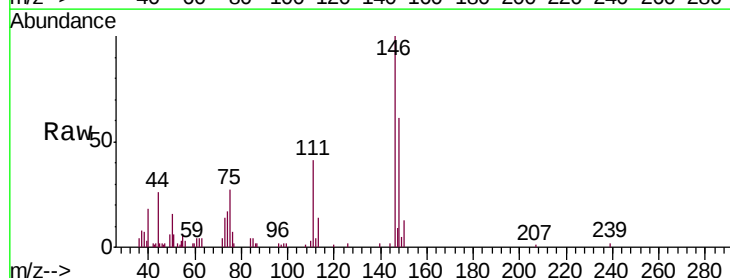
Tgt Ion:146 Resp: 13405

Ion Ratio Lower Upper

146 100

111 41.5 25.8 47.8

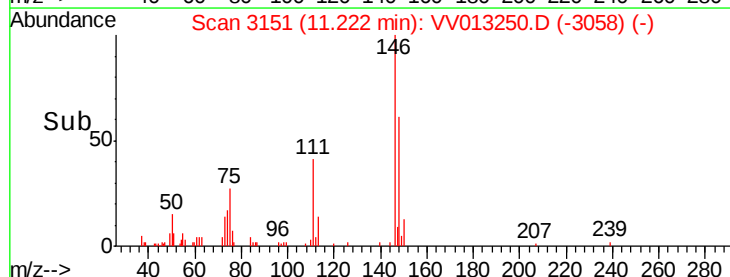
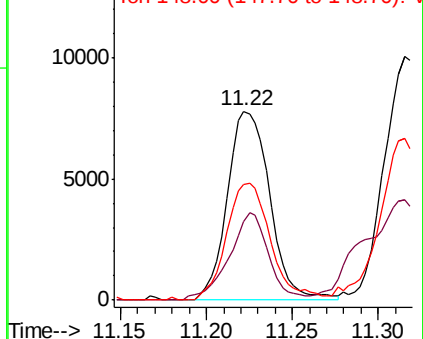
148 61.5 43.8 81.3

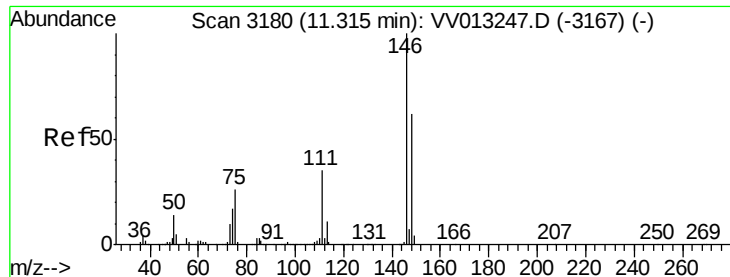


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

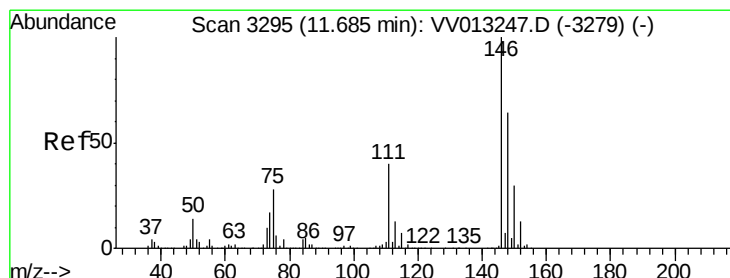
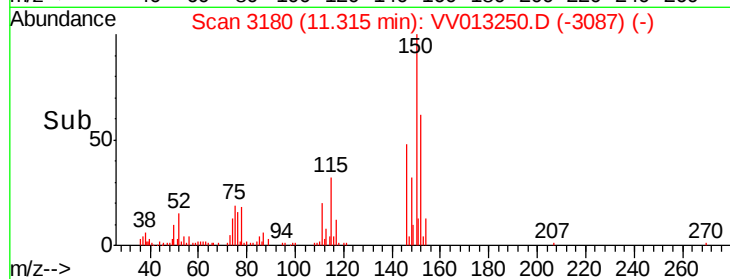
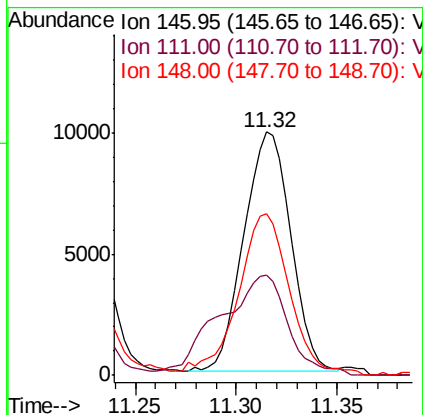
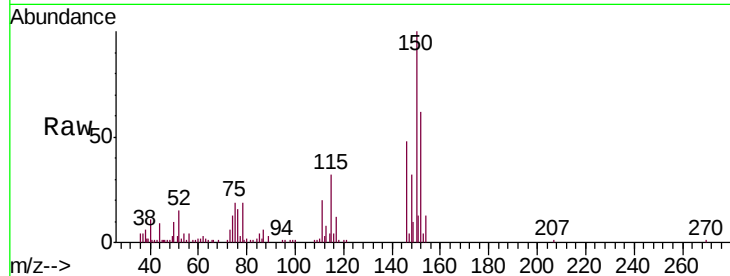




#63
 1,4-Dichlorobenzene
 Concen: 0.163 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013250.D
 Acq: 21 Oct 2019 17:47

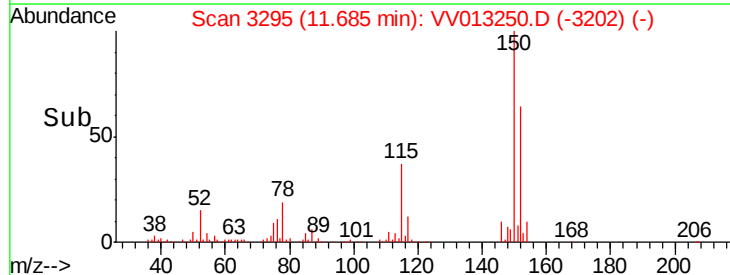
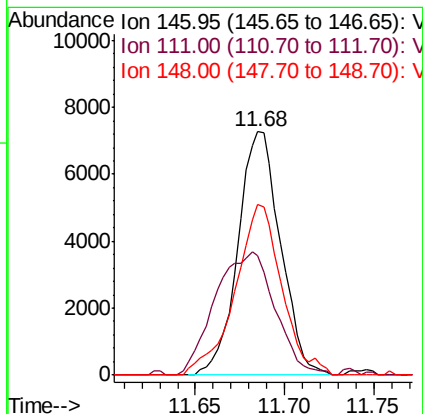
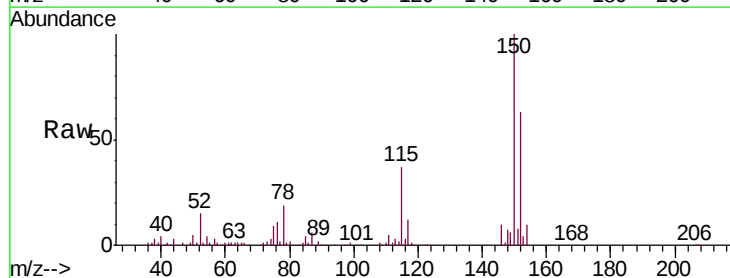
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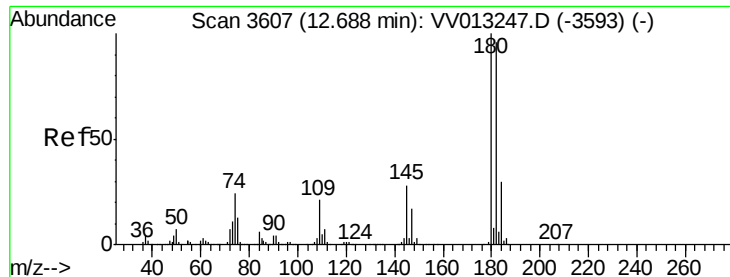
Tgt Ion:146 Resp: 16157
 Ion Ratio Lower Upper
 146 100
 111 41.2 24.6 45.6
 148 66.6 43.3 80.5



#65
 1,2-Dichlorobenzene
 Concen: 0.135 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013250.D
 Acq: 21 Oct 2019 17:47

Tgt Ion:146 Resp: 12128
 Ion Ratio Lower Upper
 146 100
 111 48.9 31.8 47.6#
 148 70.3 51.0 76.6

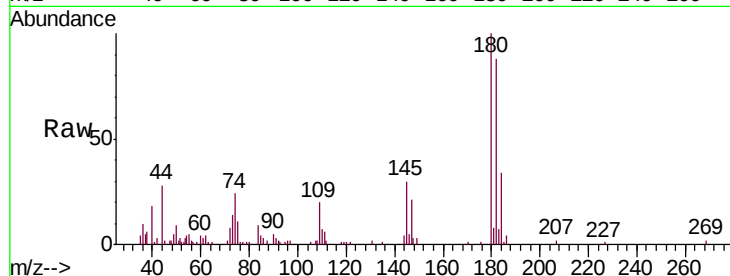




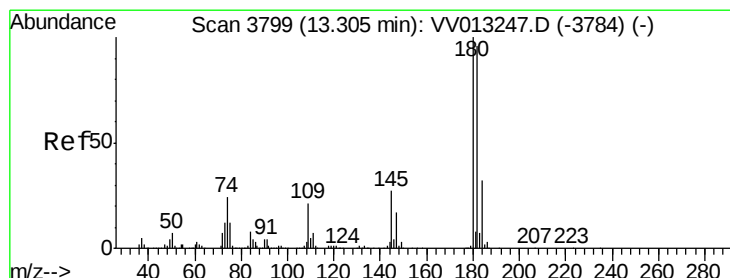
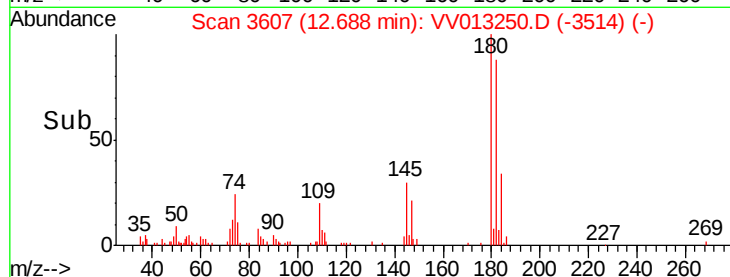
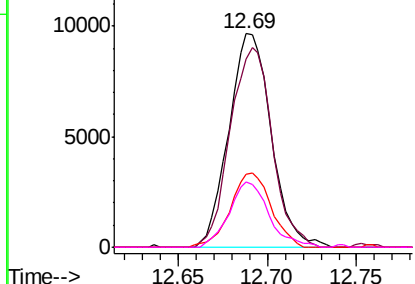
#67
 1,3,5-Trichlorobenzene
 Concen: 0.221 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013250.D
 Acq: 21 Oct 2019 17:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	76.2	114.2
184	33.5	24.0	36.0
145	28.7	21.8	32.8

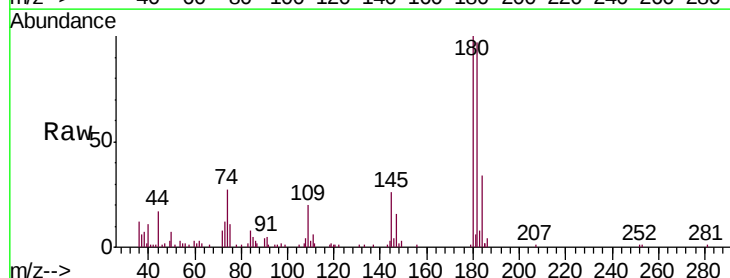


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

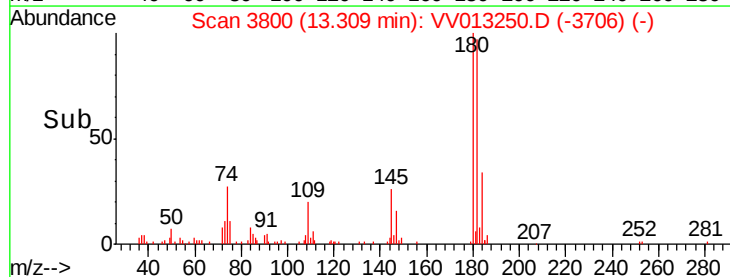
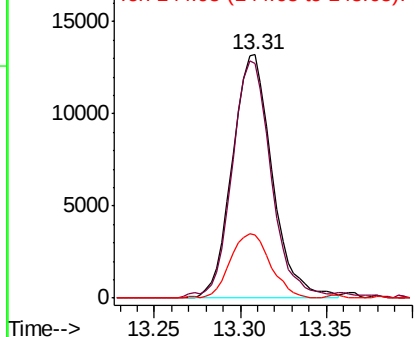


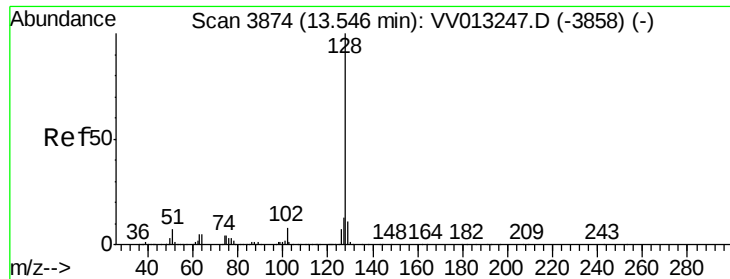
#68
 1,2,4-trichlorobenzene
 Concen: 0.337 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013250.D
 Acq: 21 Oct 2019 17:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.7	115.1
145	26.6	22.1	33.1



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: 0.371 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013250.D

Acq: 21 Oct 2019 17:47

Instrument :

MSVOA_V

ClientSampleId :

VIBLK41

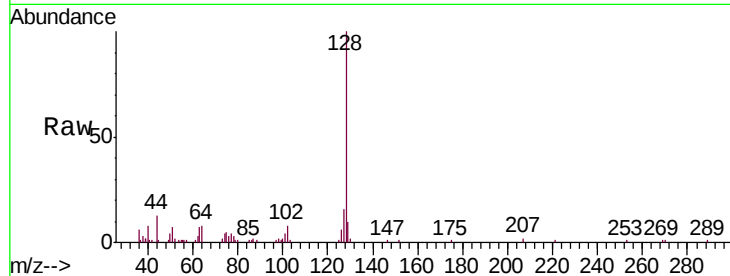
Tgt Ion:128 Resp: 32356

Ion Ratio Lower Upper

128 100

129 9.6 9.0 13.6

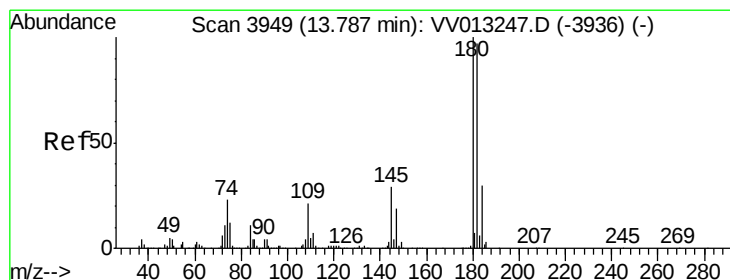
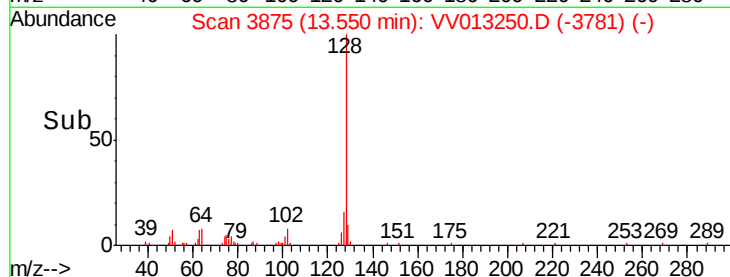
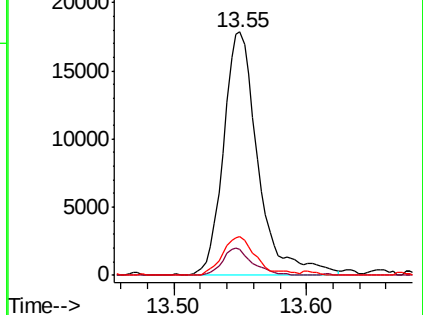
127 15.5 10.4 15.6



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: 0.362 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013250.D

Acq: 21 Oct 2019 17:47

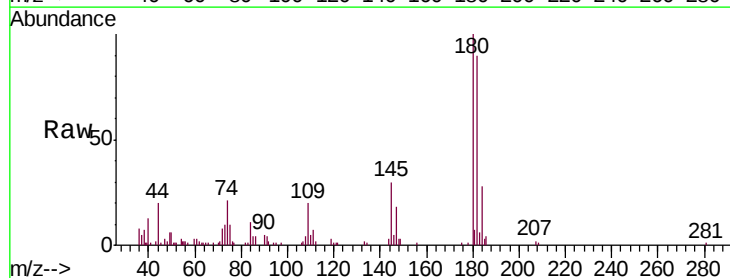
Tgt Ion:180 Resp: 21280

Ion Ratio Lower Upper

180 100

182 94.5 76.5 114.7

145 30.2 23.5 35.3



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

