

Data File : VV013317.D
Acq On : 24 Oct 2019 18:59
Operator : SY/MD
Sample : K5457-08DL 4X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
X2J19DL

Quant Time: Oct 25 04:45:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 04:42:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	414099	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	447277	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	231858	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	144266	4.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.60%
7) Chloroethane-d5	1.58	69	128242	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	2.13	63	284601	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.80%
20) 2-Butanone-d5	3.97	46	199821	34.08	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	68.16%
24) Chloroform-d	4.40	84	352090	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.08	65	163998	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.10	84	703587	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.11	67	212439	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.36	98	589220	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	7.66	79	73771	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
46) 2-Hexanone-d5	8.14	63	258567	44.00	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.00%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	154894	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	246912	5.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.40%

Target Compounds

					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3393	0.099	ug/L #	31
12) 1,1-Dichloroethene	2.14	96	243903	7.492	ug/L	89
14) Carbon disulfide	2.31	76	4431	0.047	ug/L #	75
16) Methylene chloride	2.53	84	10512	0.215	ug/L	95
19) 1,1-Dichloroethane	3.23	63	22363	0.358	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	55979	1.363	ug/L #	97
25) Chloroform	4.42	83	21596	0.266	ug/L	86
29) 1,1,1-Trichloroethane	4.65	97	20640	0.312	ug/L	97
34) Trichloroethene	5.96	95	58039	1.266	ug/L	96
35) Methylcyclohexane	6.11	83	53844	0.764	ug/L #	19
37) 1,2-Dichloropropane	6.12	63	21680	0.523	ug/L #	86
38) Bromodichloromethane	6.55	83	2174	0.040	ug/L #	95
44) trans-1,3-Dichloropropene	7.67	75	3039	0.069	ug/L #	72
47) Tetrachloroethene	8.02	164	75337	1.810	ug/L	98
48) 2-Hexanone	8.18	43	27829	1.838	ug/L #	38
49) Dibromochloromethane	8.02	129	62051	1.701	ug/L #	11
63) 1,4-Dichlorobenzene	11.32	146	6774	0.082	ug/L #	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102519\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,3,5-Trichlorobenzene	12.69	180	5916	0.098	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	6949	0.132	ug/L	87
69) Naphthalene	13.55	128	7343	0.101	ug/L #	94
70) 1,2,3-Trichlorobenzene	13.79	180	4597	0.094	ug/L #	83

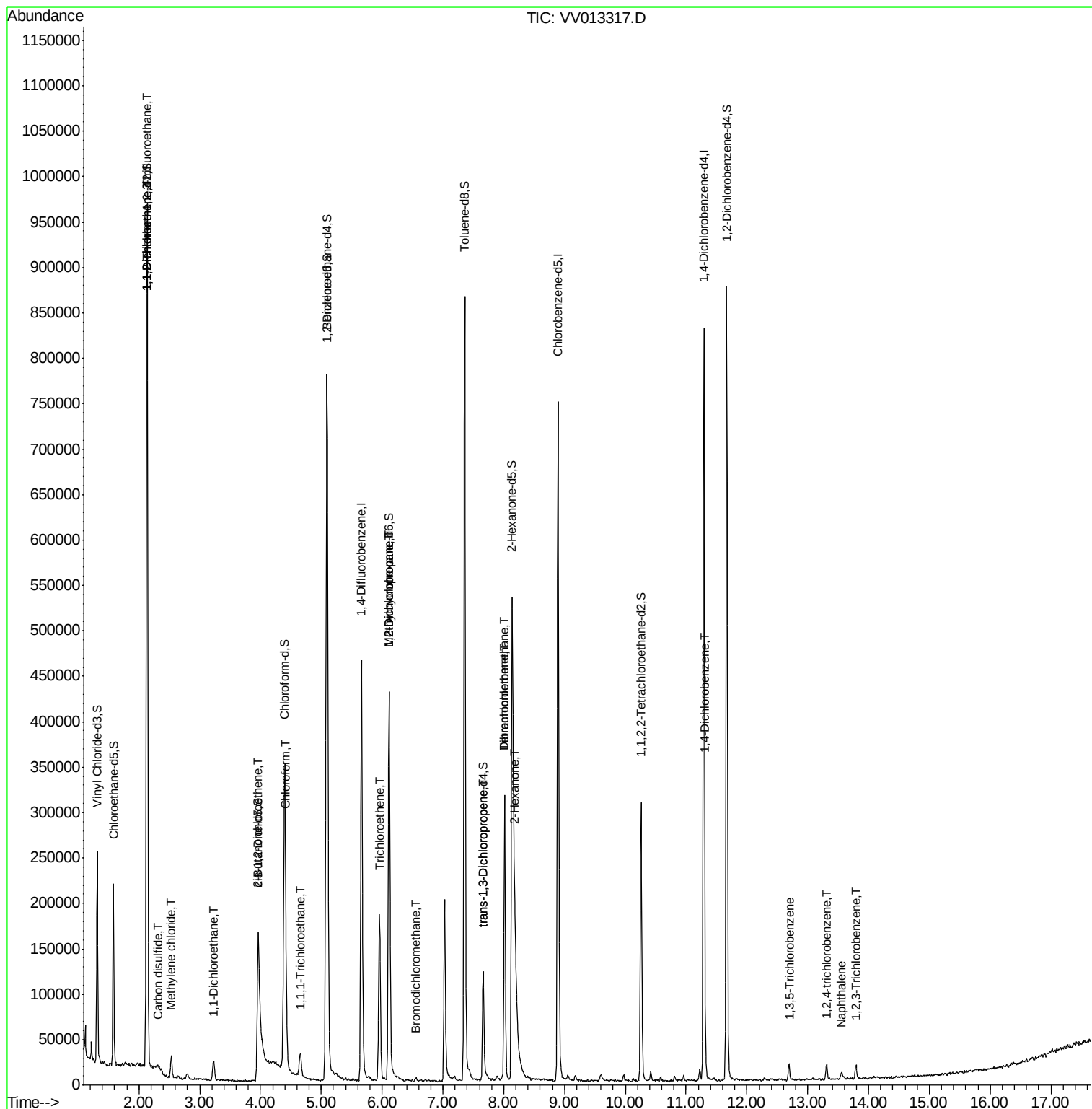
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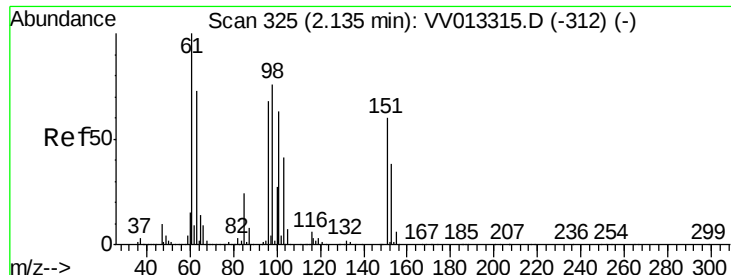
Data File : VV013317.D

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Operator     : SY/MD
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Instrument :
MSVOA_V
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Quant Time: Oct 25 04:45:27 2019
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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 04:42:43 2019
Response via : Initial Calibration





#10

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

Concen: 0.099 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013317.D

Acq: 24 Oct 2019 18:59

Instrument :

MSVOA_V

ClientSampled :

X2J19DL

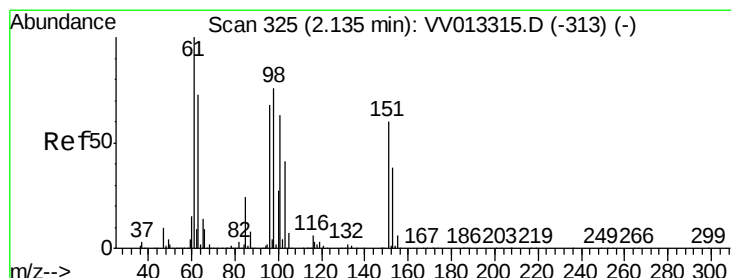
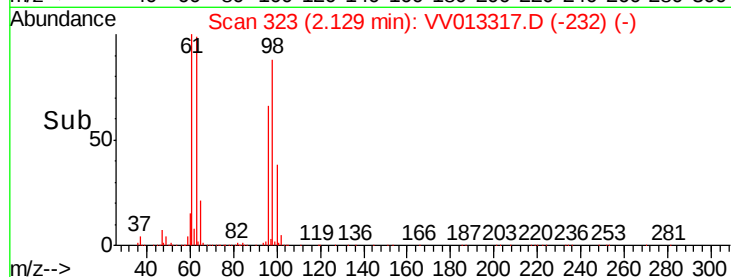
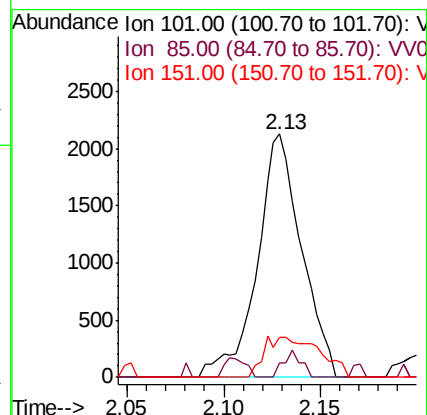
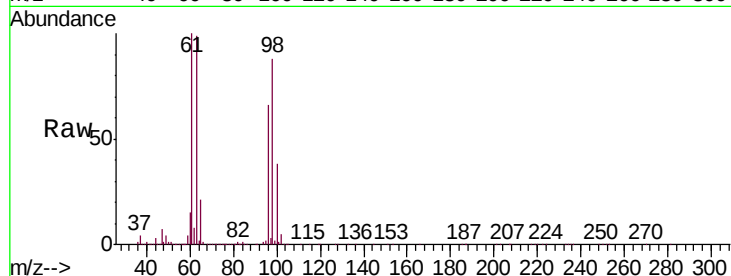
Tgt Ion: 101 Resp: 3393

Ion Ratio Lower Upper

101 100

85 4.3 31.8 47.8#

151 20.5 72.9 109.3#



#12

1,1-Dichloroethene

Concen: 7.492 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013317.D

Acq: 24 Oct 2019 18:59

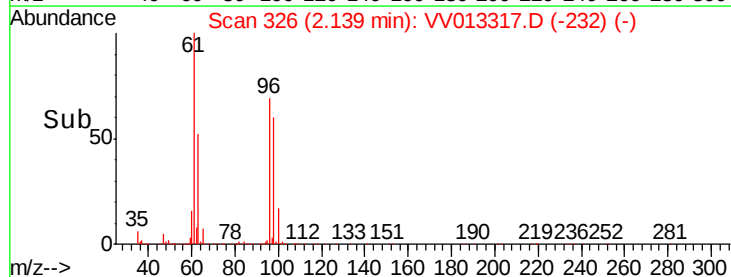
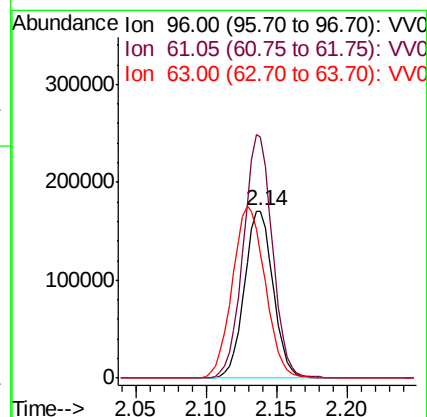
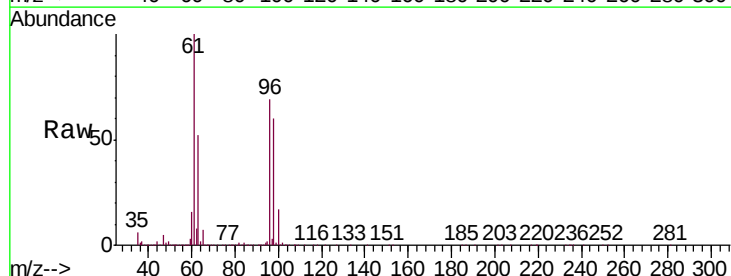
Tgt Ion: 96 Resp: 243903

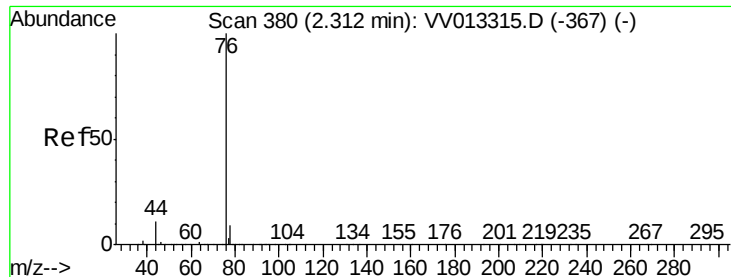
Ion Ratio Lower Upper

96 100

61 144.0 104.0 193.1

63 74.4 67.1 124.5





#14

Carbon disulfide

Concen: 0.047 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV013317.D

Acq: 24 Oct 2019 18:59

Instrument :

MSVOA_V

ClientSampleId :

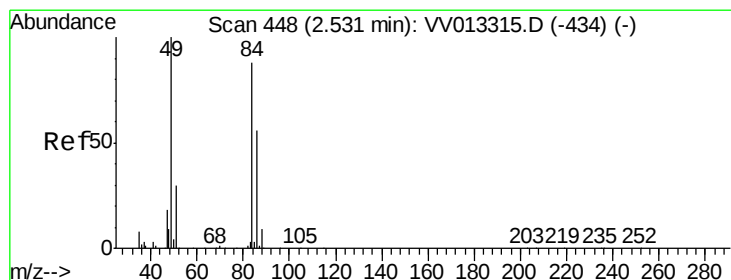
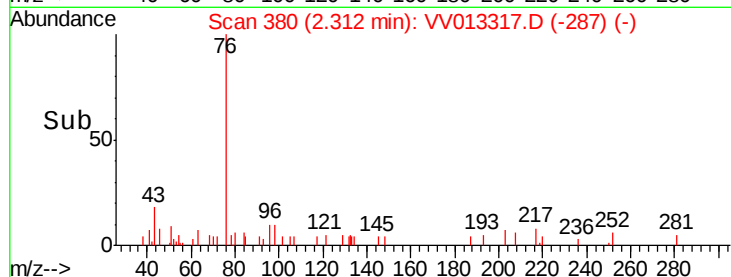
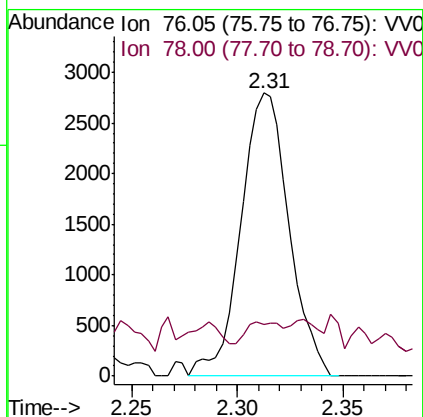
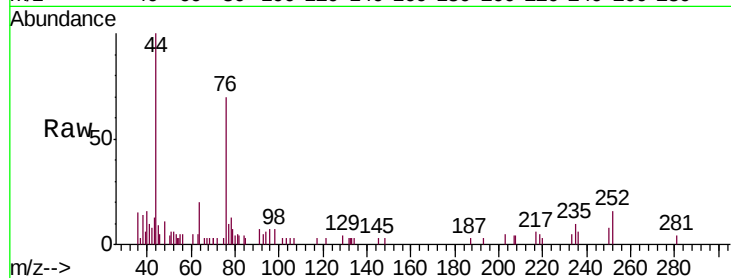
X2J19DL

Tgt Ion: 76 Resp: 4431

Ion Ratio Lower Upper

76 100

78 18.2 7.3 10.9#



#16

Methylene chloride

Concen: 0.215 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV013317.D

Acq: 24 Oct 2019 18:59

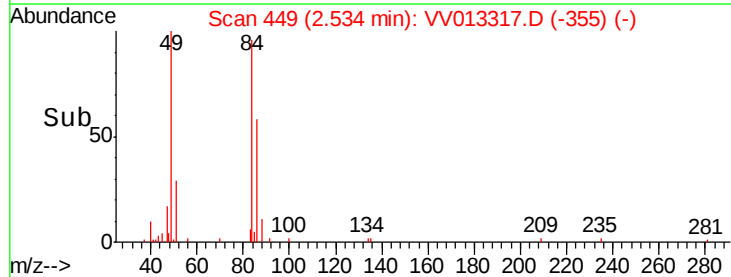
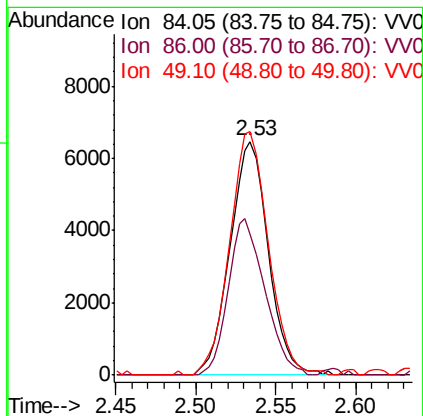
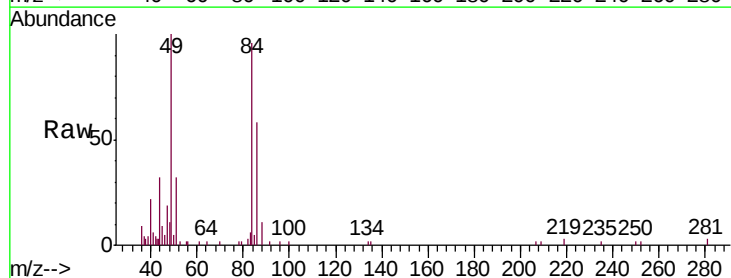
Tgt Ion: 84 Resp: 10512

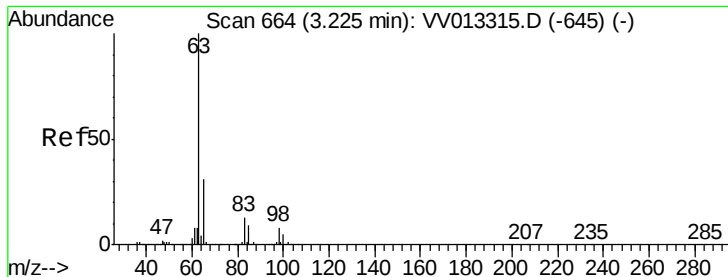
Ion Ratio Lower Upper

84 100

86 60.5 46.2 85.8

49 104.3 76.4 141.8





#19

1,1-Dichloroethane

Concen: 0.358 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV013317.D

Acq: 24 Oct 2019 18:59

Instrument :

MSVOA_V

ClientSampleId :

X2J19DL

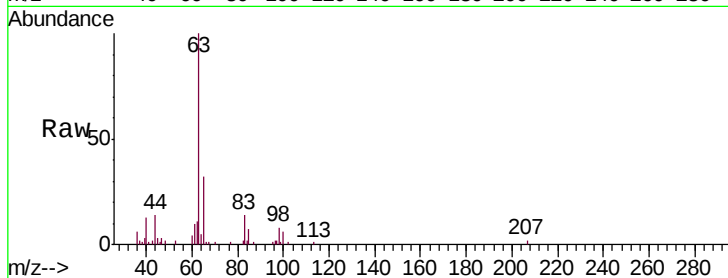
Tgt Ion: 63 Resp: 22363

Ion Ratio Lower Upper

63 100

65 32.3 23.0 42.8

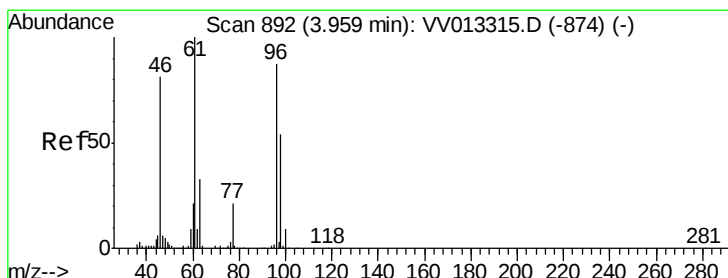
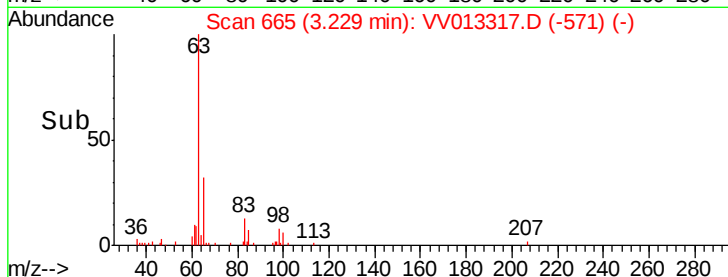
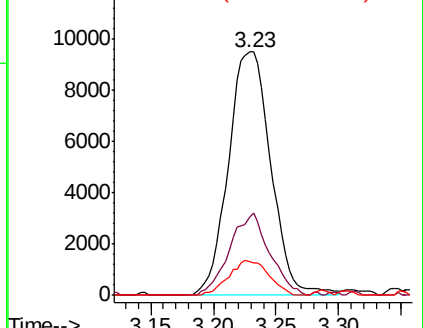
83 14.0 10.2 19.0



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#22

cis-1,2-Dichloroethene

Concen: 1.363 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV013317.D

Acq: 24 Oct 2019 18:59

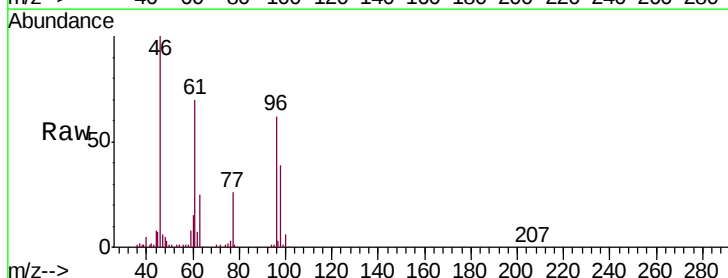
Tgt Ion: 96 Resp: 55979

Ion Ratio Lower Upper

96 100

61 113.4 77.3 143.7

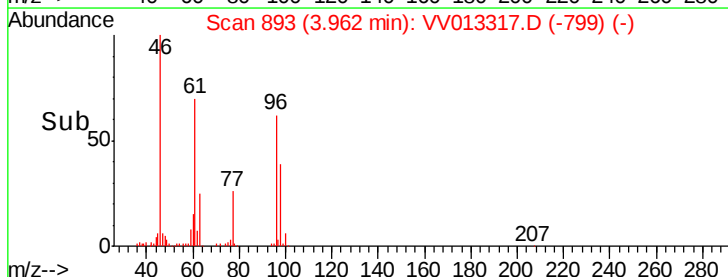
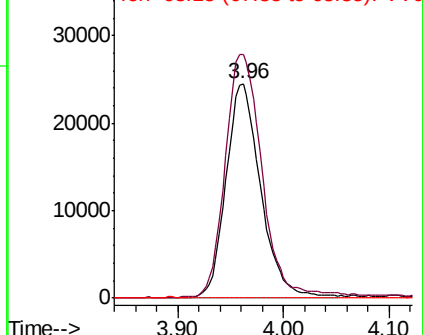
68 0.0 0.1 0.1#

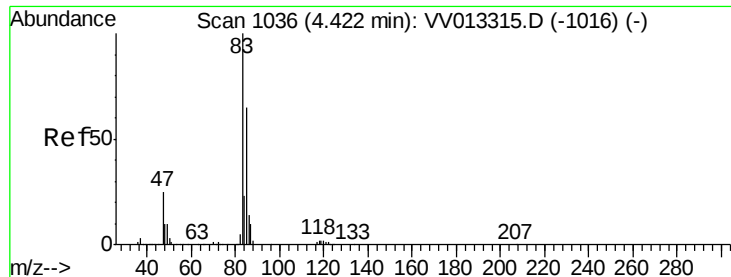


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#25

Chloroform

Concen: 0.266 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV013317.D

Acq: 24 Oct 2019 18:59

Instrument :

MSVOA_V

ClientSampleId :

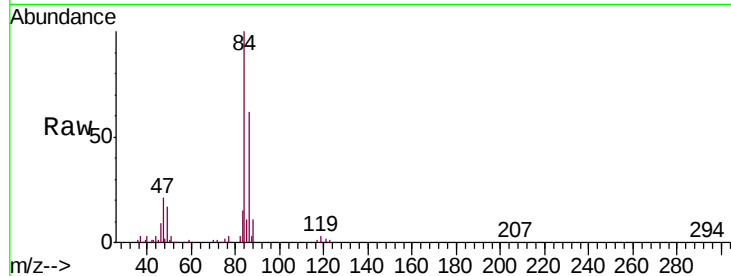
X2J19DL

Tgt Ion: 83 Resp: 21596

Ion Ratio Lower Upper

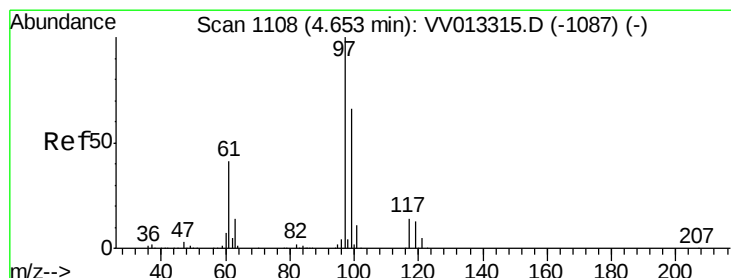
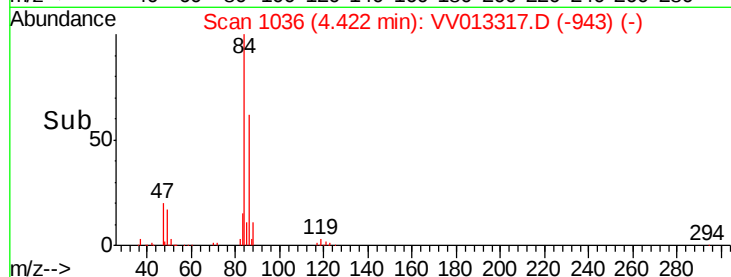
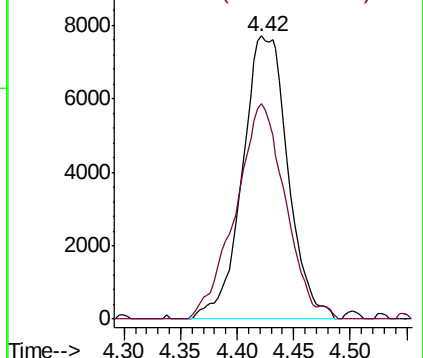
83 100

85 76.2 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0



#29

1,1,1-Trichloroethane

Concen: 0.312 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV013317.D

Acq: 24 Oct 2019 18:59

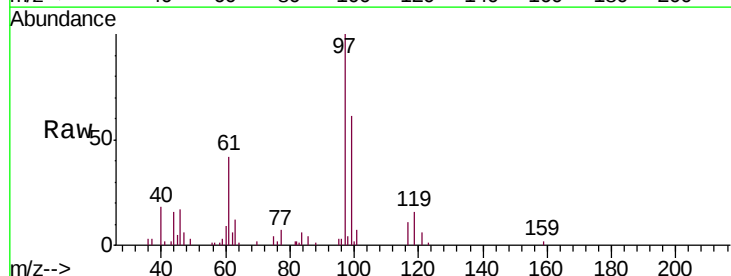
Tgt Ion: 97 Resp: 20640

Ion Ratio Lower Upper

97 100

99 62.9 51.7 77.5

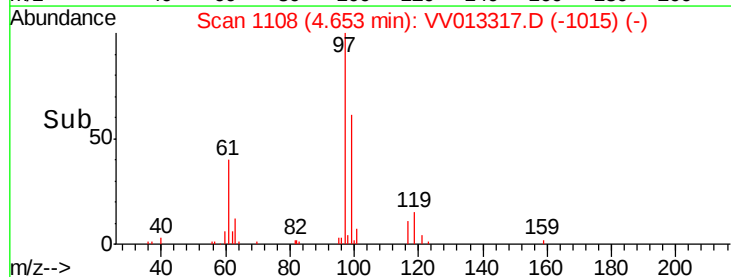
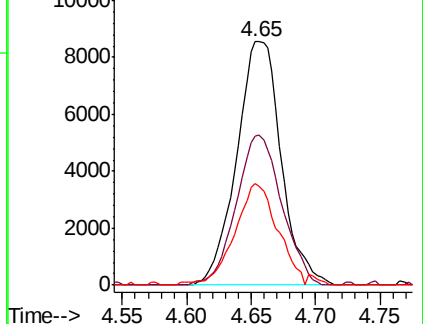
61 39.8 34.3 51.5

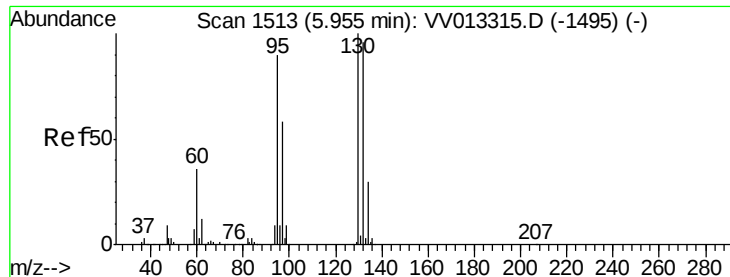


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0

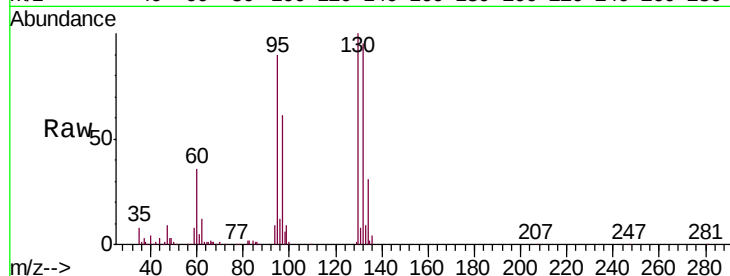




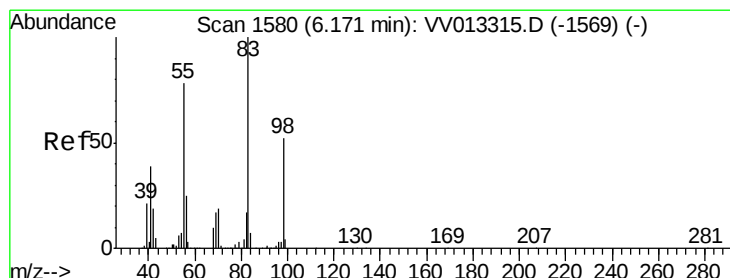
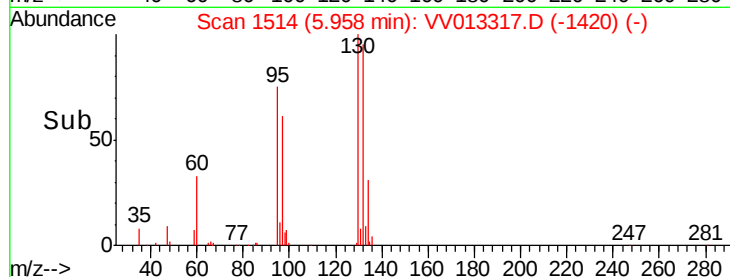
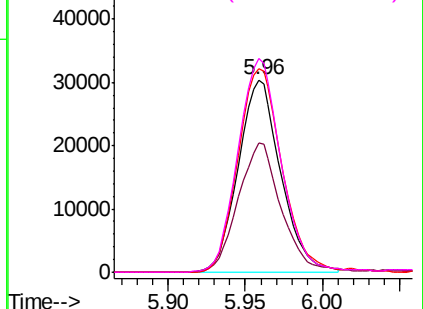
#34
 Trichloroethene
 Concen: 1.266 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV013317.D
 Acq: 24 Oct 2019 18:59

Instrument :
 MSVOA_V
 ClientSampleId :
 X2J19DL

Tgt Ion: 95 Resp: 58039
 Ion Ratio Lower Upper
 95 100
 97 67.4 45.2 84.0
 132 105.7 70.6 131.2
 130 111.1 75.5 140.3

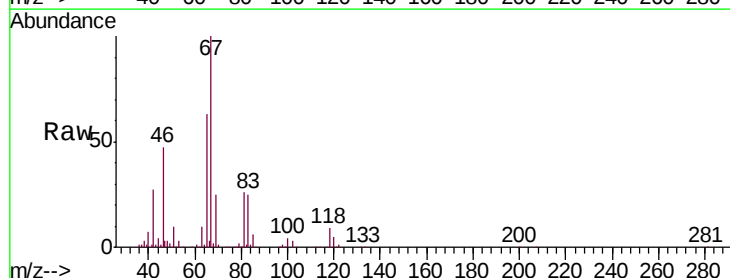


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

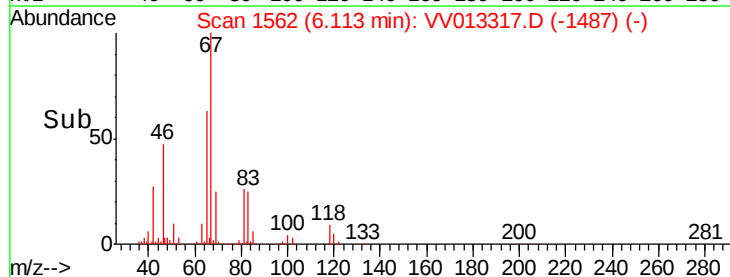
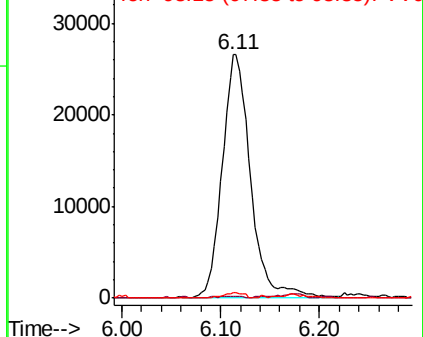


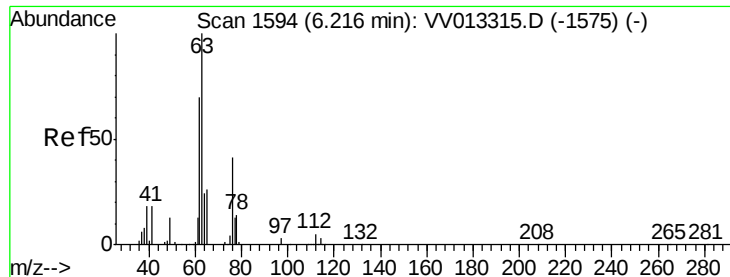
#35
 Methylcyclohexane
 Concen: 0.764 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.06 min
 Lab File: VV013317.D
 Acq: 24 Oct 2019 18:59

Tgt Ion: 83 Resp: 53844
 Ion Ratio Lower Upper
 83 100
 55 0.6 62.4 93.6#
 98 1.7 39.2 58.8#



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.523 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013317.D

Acq: 24 Oct 2019 18:59

Instrument :

MSVOA_V

ClientSampleId :

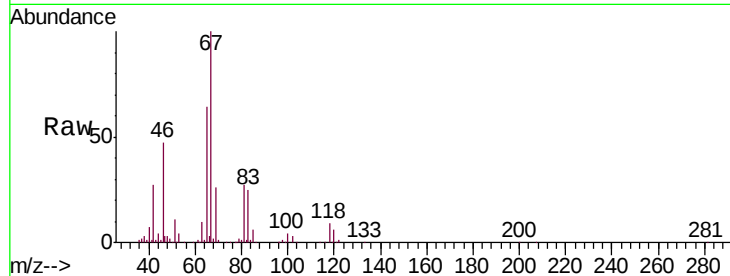
X2J19DL

Tgt Ion: 63 Resp: 21680

Ion Ratio Lower Upper

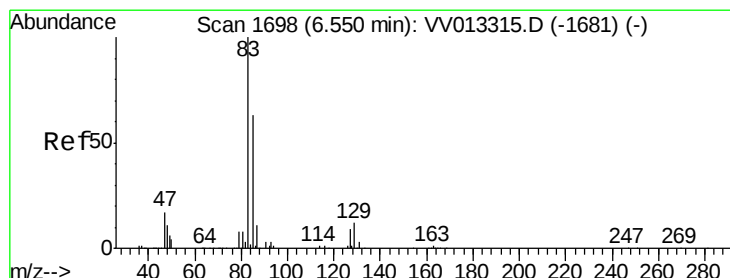
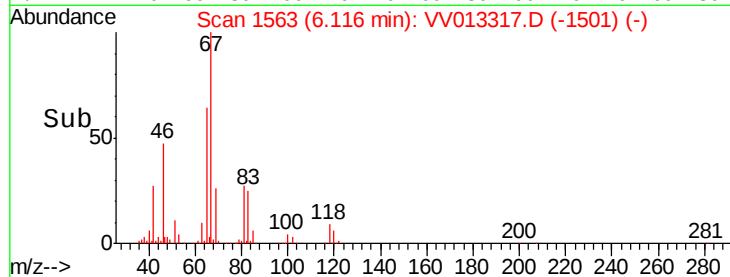
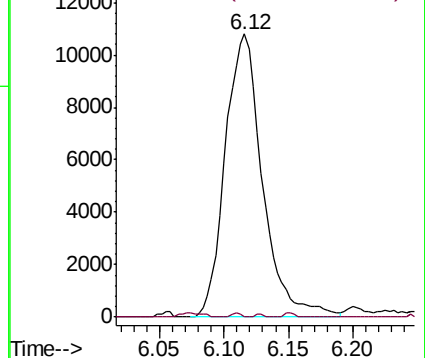
63 100

112 0.4 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 0.040 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV013317.D

Acq: 24 Oct 2019 18:59

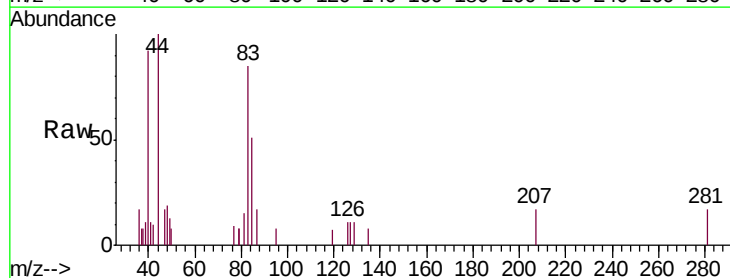
Tgt Ion: 83 Resp: 2174

Ion Ratio Lower Upper

83 100

85 60.4 44.4 82.5

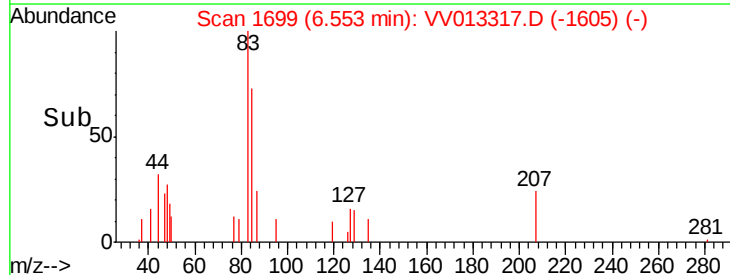
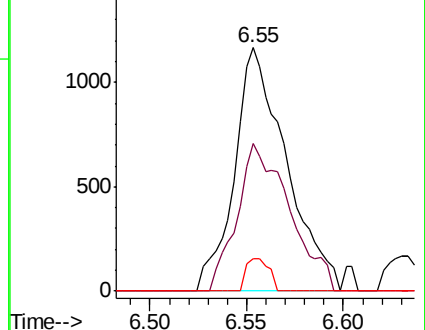
127 13.3 6.6 10.0#

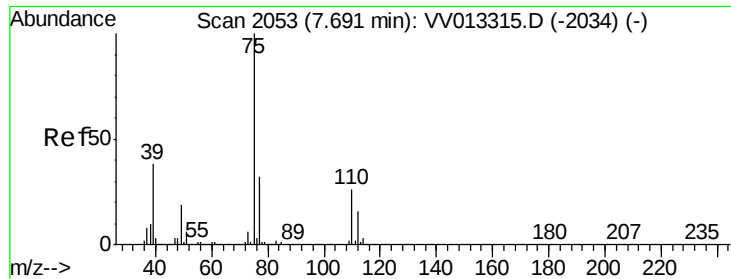


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 126.90 (126.60 to 127.60): V





#44

trans-1,3-Dichloropropene

Concen: 0.069 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.02 min

Lab File: VV013317.D

Acq: 24 Oct 2019 18:59

Instrument :

MSVOA_V

ClientSampleId :

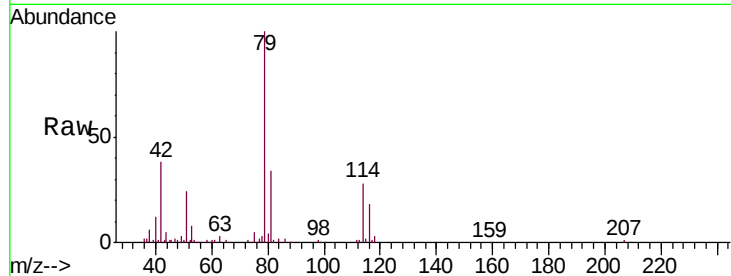
X2J19DL

Tgt Ion: 75 Resp: 3039

Ion Ratio Lower Upper

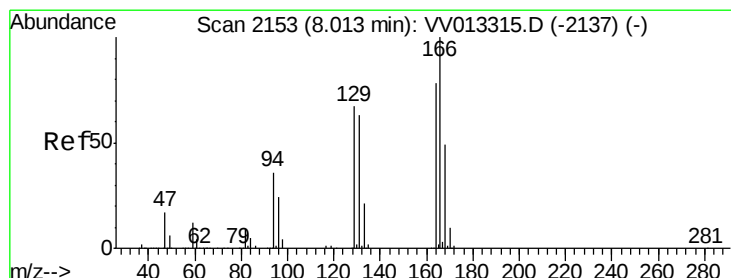
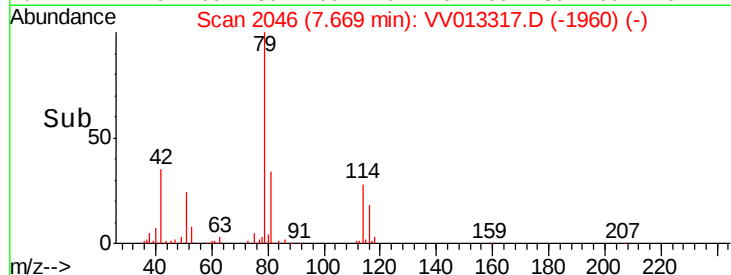
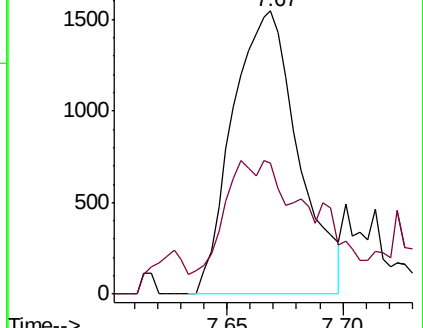
75 100

77 46.5 21.8 40.6#



Abundance Ion 75.05 (74.75 to 75.75): VV013315.D (-2034) (-)

Ion 77.05 (76.75 to 77.75): VV013317.D (-1960) (-)



#47

Tetrachloroethene

Concen: 1.810 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013317.D

Acq: 24 Oct 2019 18:59

Tgt Ion: 164 Resp: 75337

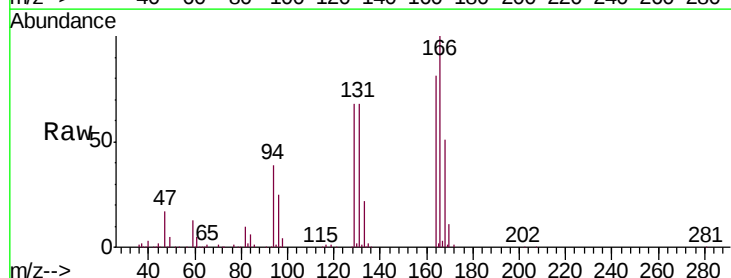
Ion Ratio Lower Upper

164 100

129 84.9 61.0 113.2

131 84.4 57.5 106.9

166 124.1 87.8 163.0

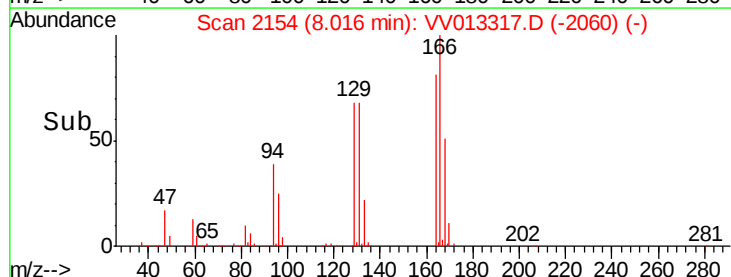
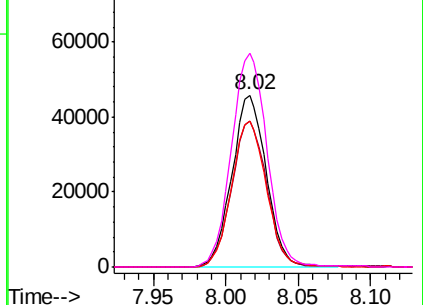


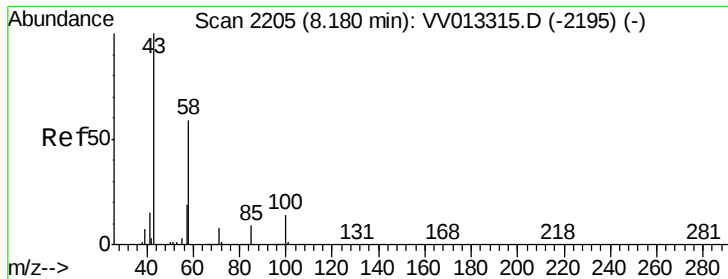
Abundance Ion 163.90 (163.60 to 164.60): VV013315.D (-2137) (-)

Ion 128.95 (128.65 to 129.65): VV013317.D (-2060) (-)

Ion 130.95 (130.65 to 131.65): VV013317.D (-2060) (-)

Ion 165.90 (165.60 to 166.60): VV013317.D (-2060) (-)

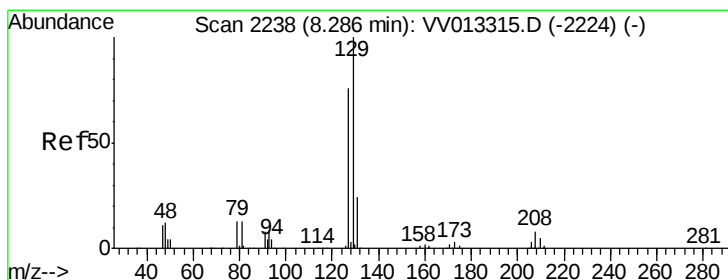
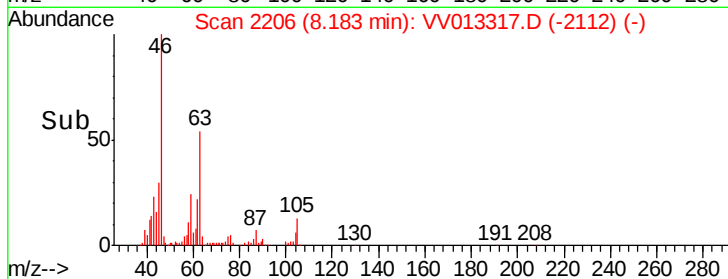
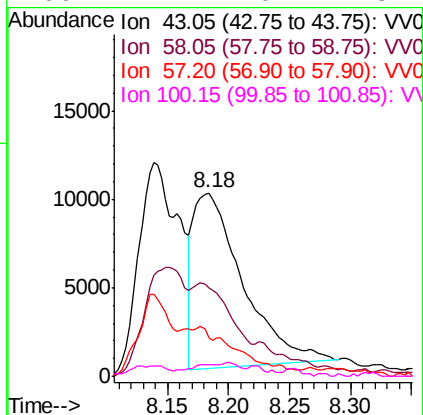
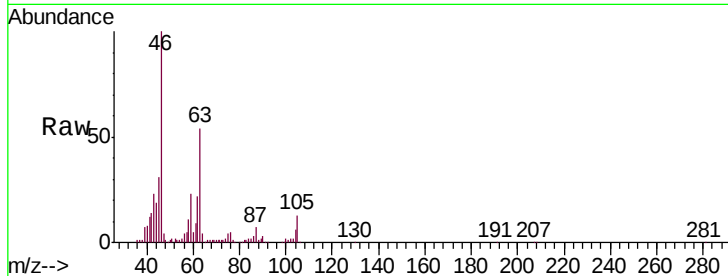




#48
2-Hexanone
Concen: 1.838 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013317.D
Acq: 24 Oct 2019 18:59

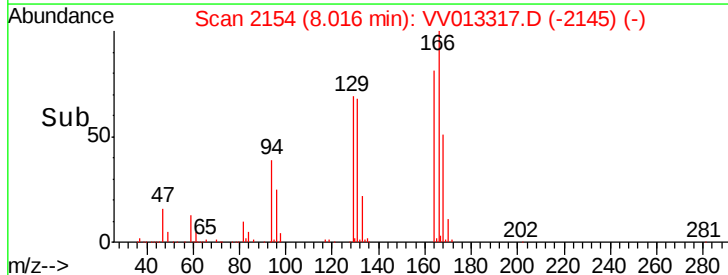
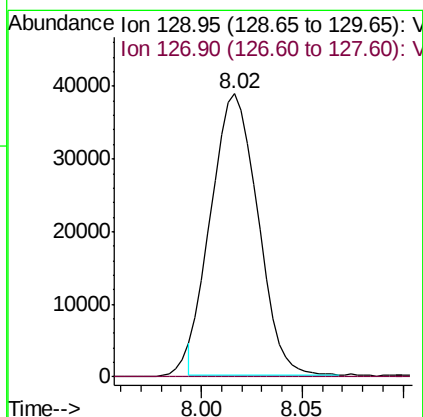
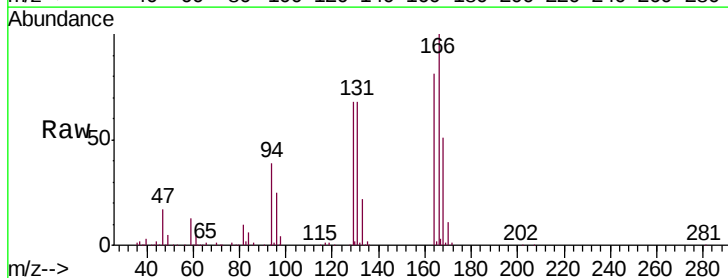
Instrument :
MSVOA_V
ClientSampleId :
X2J19DL

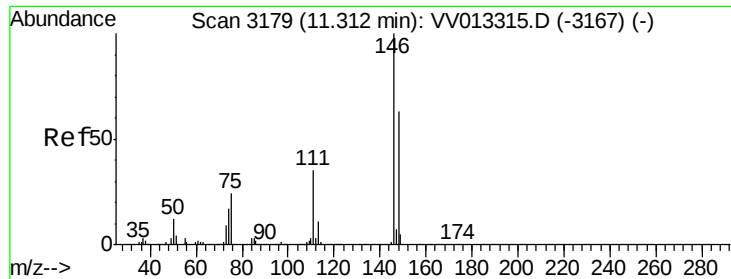
Tgt Ion: 43 Resp: 27829
Ion Ratio Lower Upper
43 100
58 0.0 45.1 67.7#
57 0.0 15.5 23.3#
100 4.1 10.2 15.2#



#49
Dibromochloromethane
Concen: 1.701 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV013317.D
Acq: 24 Oct 2019 18:59

Tgt Ion: 129 Resp: 62051
Ion Ratio Lower Upper
129 100
127 0.5 54.1 100.5#





#63

1,4-Dichlorobenzene

Concen: 0.082 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013317.D

Acq: 24 Oct 2019 18:59

Instrument :

MSVOA_V

ClientSampleId :

X2J19DL

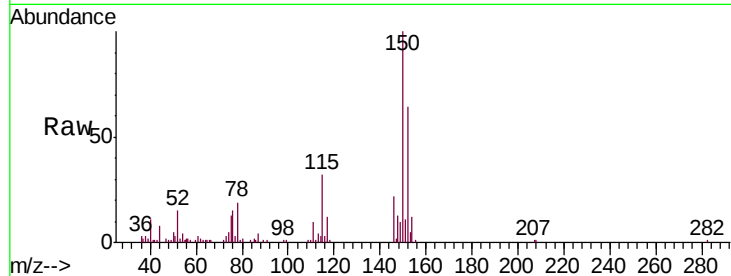
Tgt Ion:146 Resp: 6774

Ion Ratio Lower Upper

146 100

111 45.9 24.6 45.6#

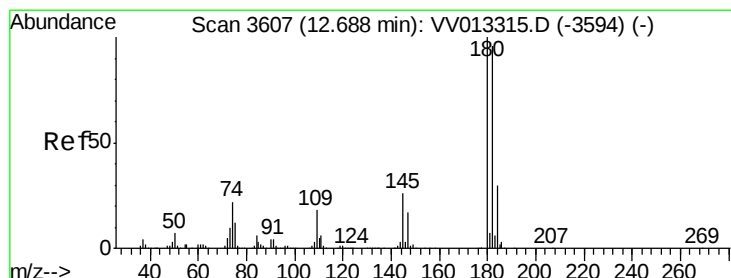
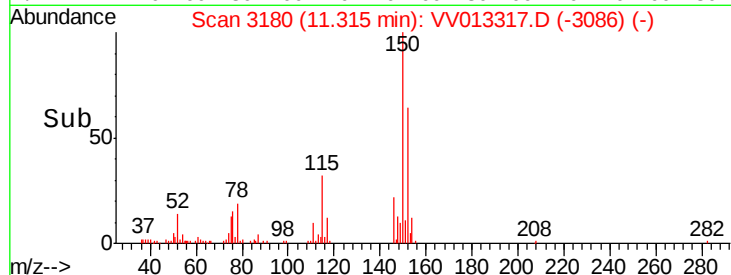
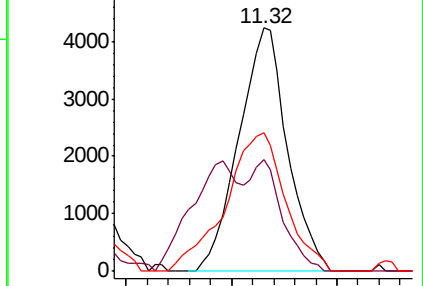
148 56.9 43.3 80.5



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



#67

1,3,5-Trichlorobenzene

Concen: 0.098 ug/L

RT: 12.69 min Scan# 3609

Delta R.T. 0.01 min

Lab File: VV013317.D

Acq: 24 Oct 2019 18:59

Tgt Ion:180 Resp: 5916

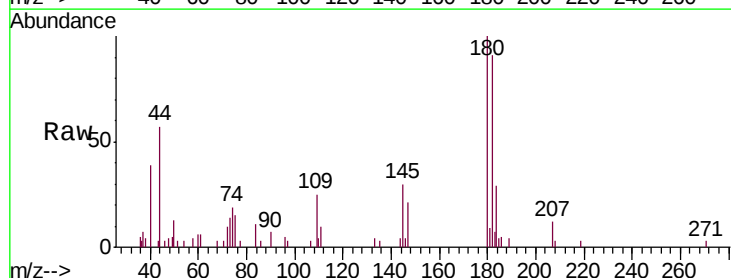
Ion Ratio Lower Upper

180 100

182 96.0 76.2 114.2

184 34.6 24.0 36.0

145 29.3 21.8 32.8

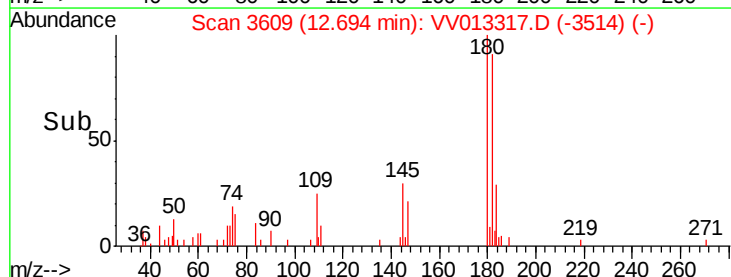
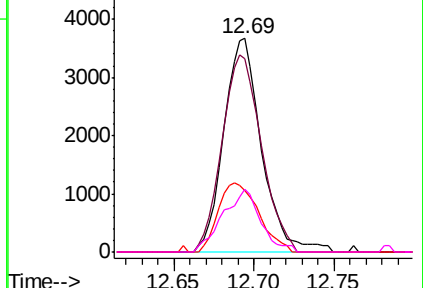


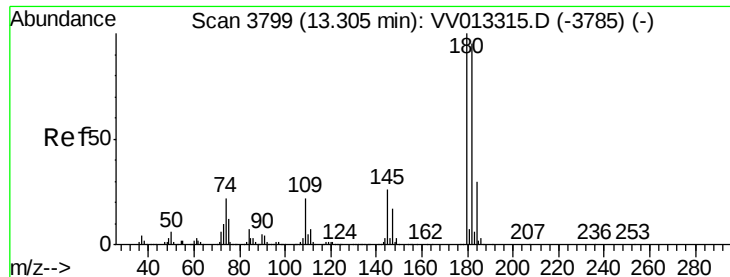
Abundance Ion 180.00 (179.70 to 180.70): V

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

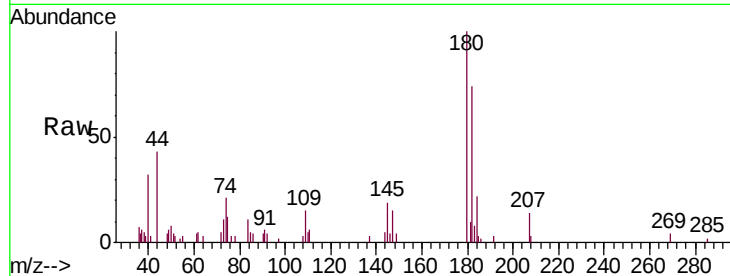




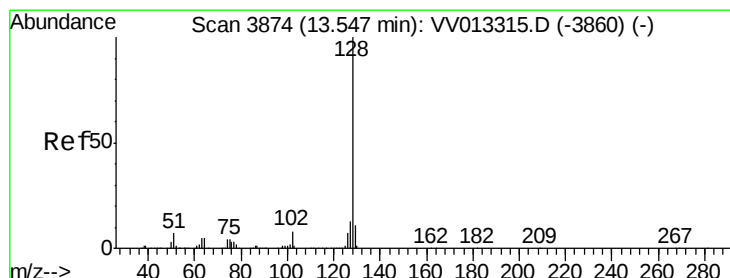
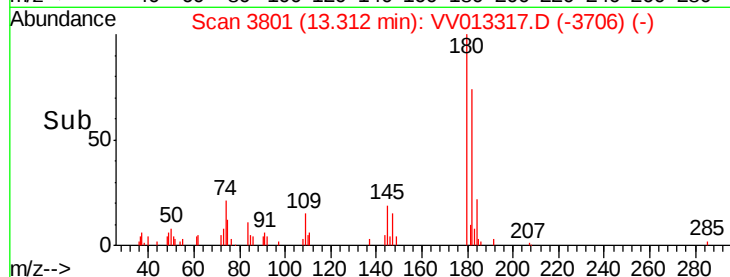
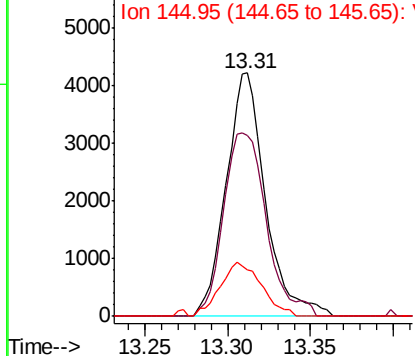
#68
1,2,4-trichlorobenzene
Concen: 0.132 ug/L
RT: 13.31 min Scan# 3801
Delta R.T. 0.01 min
Lab File: VV013317.D
Acq: 24 Oct 2019 18:59

Instrument :
MSVOA_V
ClientSampled :
X2J19DL

Tgt Ion:180 Resp: 6949
Ion Ratio Lower Upper
180 100
182 82.2 76.7 115.1
145 23.3 22.1 33.1

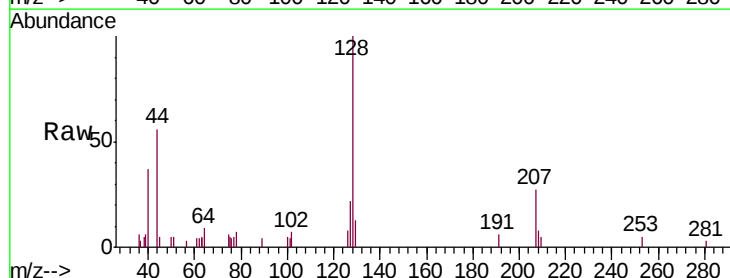


Abundance Ion 179.90 (179.60 to 180.60): V
Ion 182.00 (181.70 to 182.70): V
Ion 144.95 (144.65 to 145.65): V

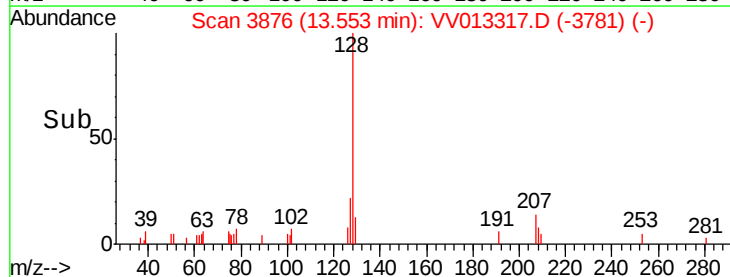
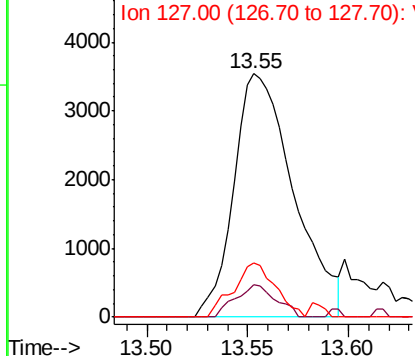


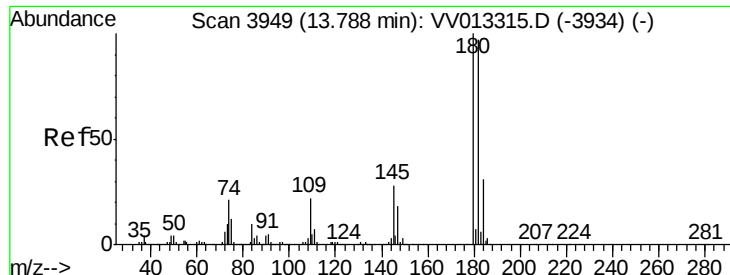
#69
Naphthalene
Concen: 0.101 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.01 min
Lab File: VV013317.D
Acq: 24 Oct 2019 18:59

Tgt Ion:128 Resp: 7343
Ion Ratio Lower Upper
128 100
129 9.0 9.0 13.6#
127 15.6 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

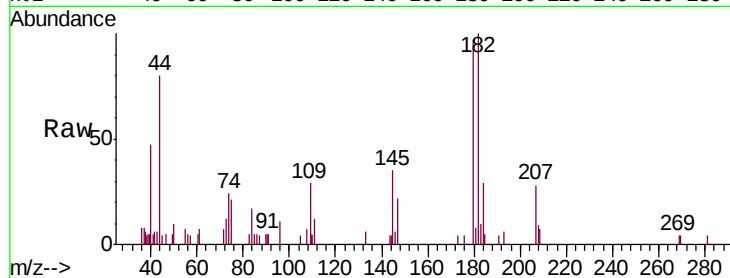




#70
 1,2,3-Trichlorobenzene
 Concen: 0.094 ug/L
 RT: 13.79 min Scan# 3949
 Delta R.T. -0.00 min
 Lab File: VV013317.D
 Acq: 24 Oct 2019 18:59

Instrument :
 MSVOA_V
 ClientSampleId :
 X2J19DL

Tgt Ion	Ratio	Lower	Upper
180	100		
182	112.4	76.5	114.7
145	37.7	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

