

Data File : VV009451.D
Acq On : 01 Mar 2019 13:15
Operator : SY/MD
Sample : K1599-08DL 5X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 02 00:10:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Mar 02 00:06:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	89174	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	83088	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	39294	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	21298	4.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.60%
7) Chloroethane-d5	1.57	69	20742	4.93	ug/L	-0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.13	63	44524	3.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.60%
20) 2-Butanone-d5	3.96	46	54625	61.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.70%
24) Chloroform-d	4.40	84	47476	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
26) 1,2-Dichloroethane-d4	5.09	65	25392	5.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.80%
32) Benzene-d6	5.10	84	97233	5.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.00%
36) 1,2-Dichloropropane-d6	6.12	67	30752	5.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.60%
41) Toluene-d8	7.36	98	97281	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
43) trans-1,3-Dichloropropene-	7.67	79	11994	5.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.80%
46) 2-Hexanone-d5	8.14	63	51819	67.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	134.36%#
57) 1,1,2,2-Tetrachloroethane-	10.26	84	22219	5.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	34529	5.46	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.20%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	973	0.168 ug/L	95
6) Bromomethane	1.53	94	1598	0.366 ug/L	93
8) Chloroethane	1.59	64	824	0.195 ug/L #	77
12) 1,1-Dichloroethene	2.13	96	909	0.156 ug/L #	1
16) Methylene chloride	2.53	84	1711	0.264 ug/L	86
18) trans-1,2-Dichloroethene	2.78	96	3457	0.546 ug/L	89
22) cis-1,2-Dichloroethene	3.96	96	77069	13.041 ug/L	98
34) Trichloroethene	5.96	95	63395	10.395 ug/L	97
35) Methylcyclohexane	6.12	83	7190	0.718 ug/L #	19
37) 1,2-Dichloropropane	6.12	63	3657	0.692 ug/L #	88
39) cis-1,3-Dichloropropene	7.03	75	1073	0.129 ug/L #	47
44) trans-1,3-Dichloropropene	7.66	75	564	0.087 ug/L #	75
47) Tetrachloroethene	8.02	164	1035	0.216 ug/L	92
49) Dibromochloromethane	8.02	129	1168	0.237 ug/L #	9
51) Chlorobenzene	8.93	112	1754	0.109 ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030119\
Quantitation Report (Not Reviewed)

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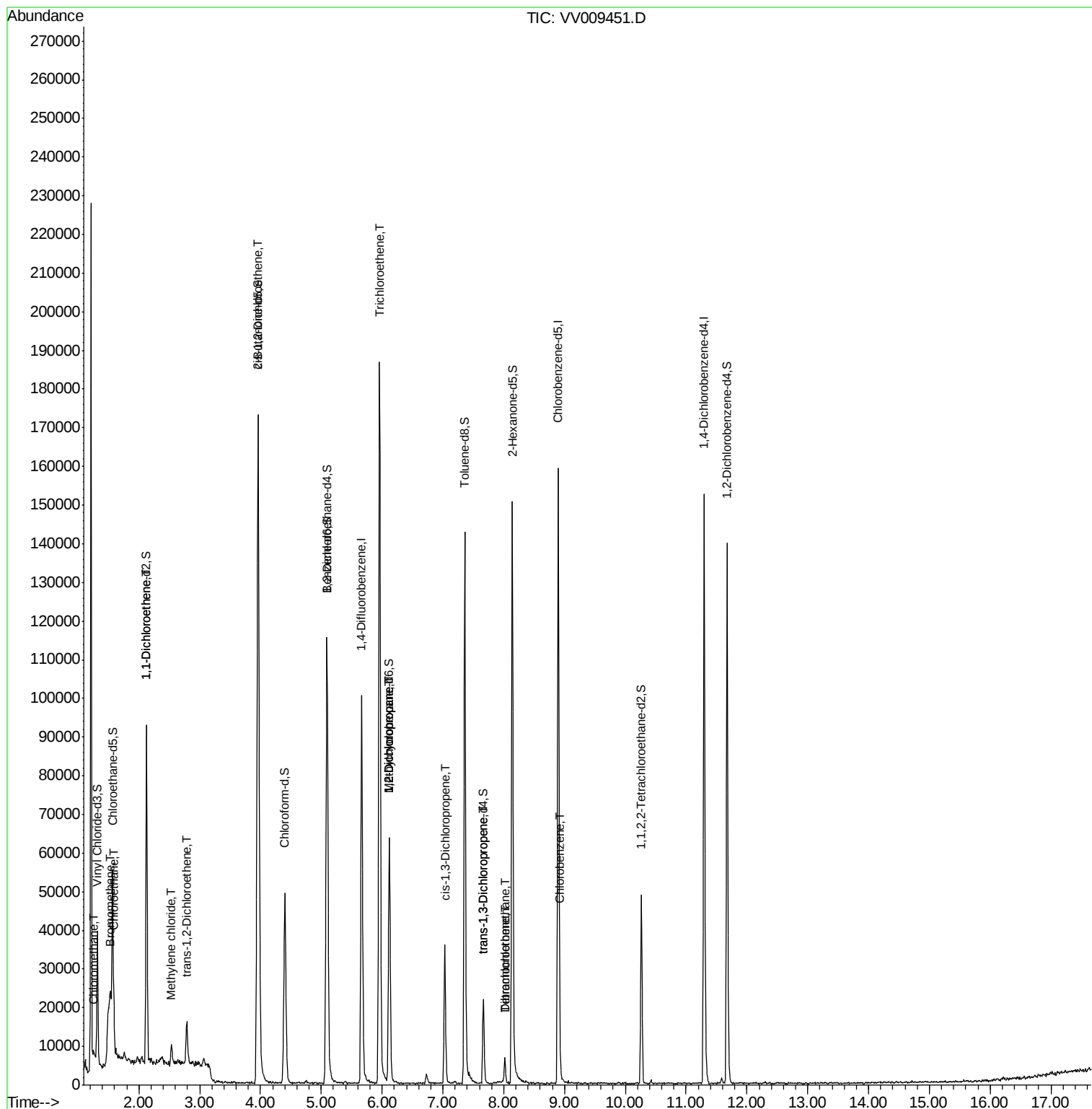
Quant Time: Mar 02 00:10:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Mar 02 00:06:51 2019
Response via : Initial Calibration

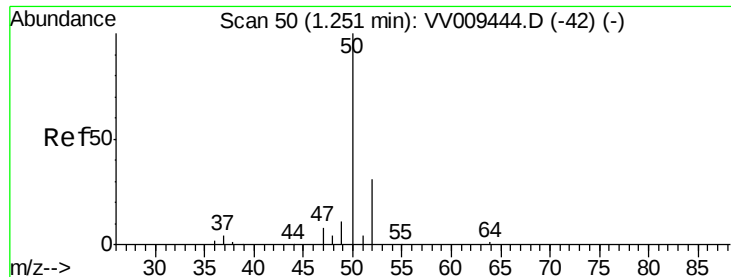
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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#3

Chloromethane

Concen: 0.168 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009451.D

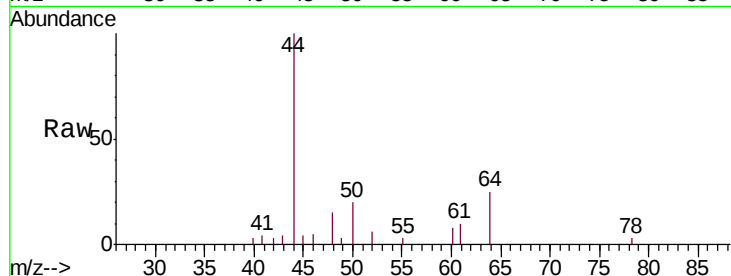
Acq: 01 Mar 2019 13:15

Tgt Ion: 50 Resp: 973

Ion Ratio Lower Upper

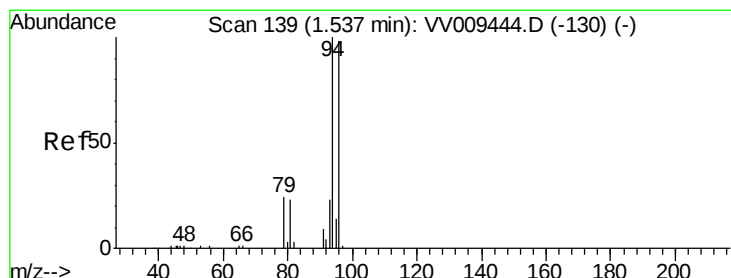
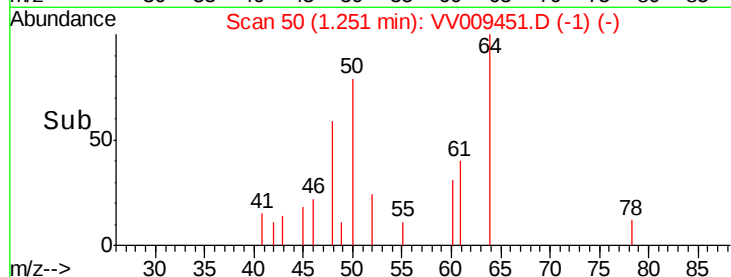
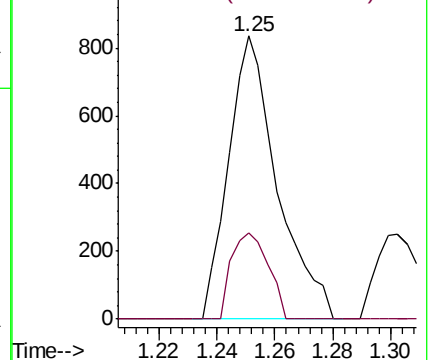
50 100

52 30.5 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#6

Bromomethane

Concen: 0.366 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.01 min

Lab File: VV009451.D

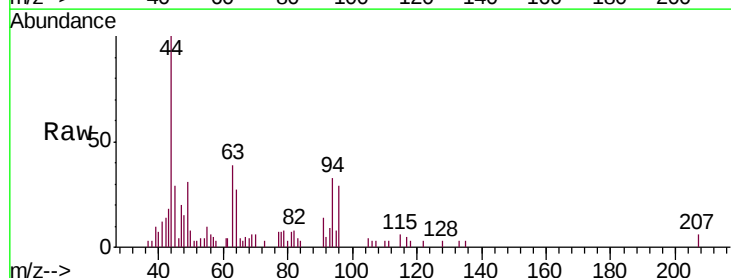
Acq: 01 Mar 2019 13:15

Tgt Ion: 94 Resp: 1598

Ion Ratio Lower Upper

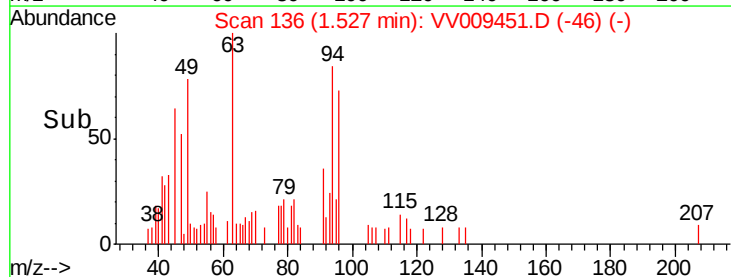
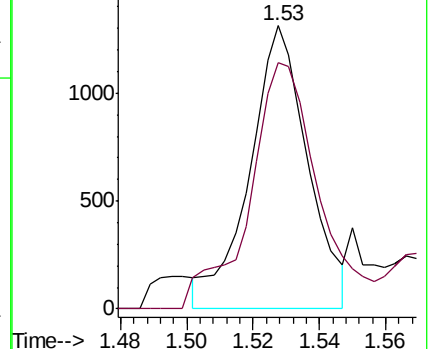
94 100

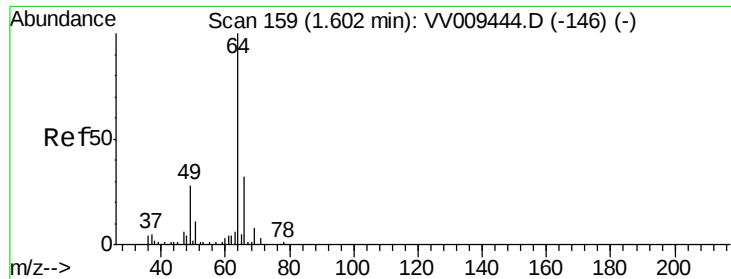
96 87.2 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 0.195 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VV009451.D

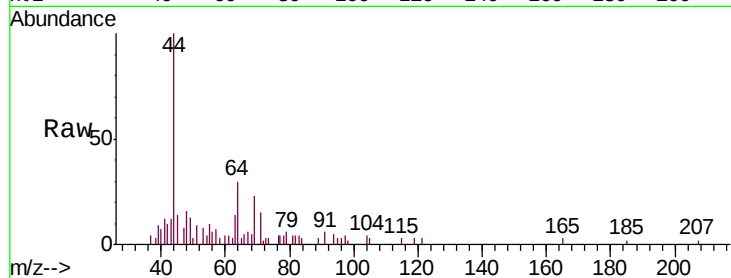
Acq: 01 Mar 2019 13:15

Tgt Ion: 64 Resp: 824

Ion Ratio Lower Upper

64 100

66 18.1 21.3 39.5#



Abundance Ion 64.10 (63.80 to 64.80): VV009444.D (-146) (-)

Ion 66.05 (65.75 to 66.75): VV009444.D (-146) (-)

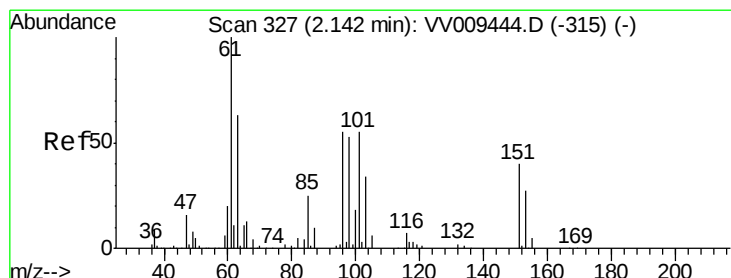
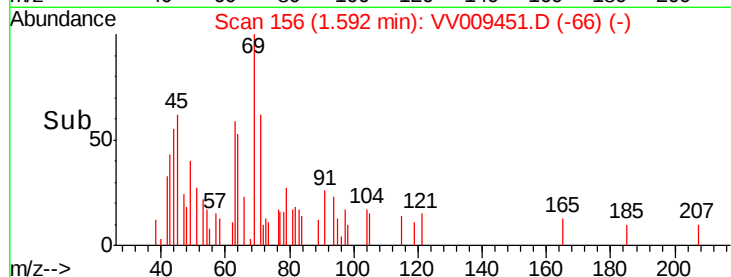
1.59

1000

500

0

Time--> 1.56 1.58 1.60 1.62



#12

1,1-Dichloroethene

Concen: 0.156 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV009451.D

Acq: 01 Mar 2019 13:15

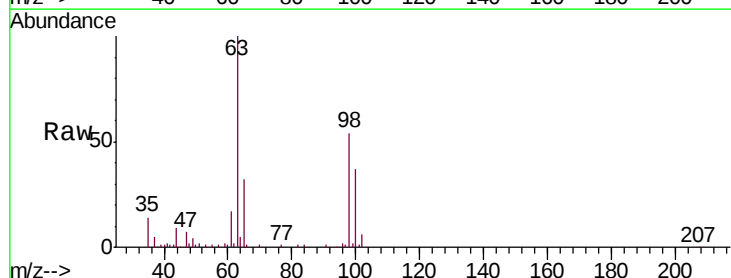
Tgt Ion: 96 Resp: 909

Ion Ratio Lower Upper

96 100

61 542.5 123.1 228.5#

63 3287.8 82.9 153.9#



Abundance Ion 96.00 (95.70 to 96.70): VV009444.D (-315) (-)

Ion 61.05 (60.75 to 61.75): VV009444.D (-315) (-)

Ion 63.00 (62.70 to 63.70): VV009444.D (-315) (-)

40000

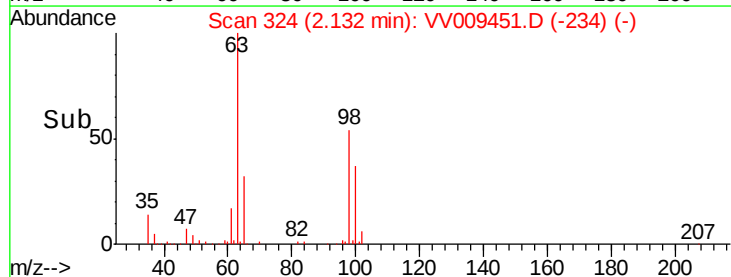
30000

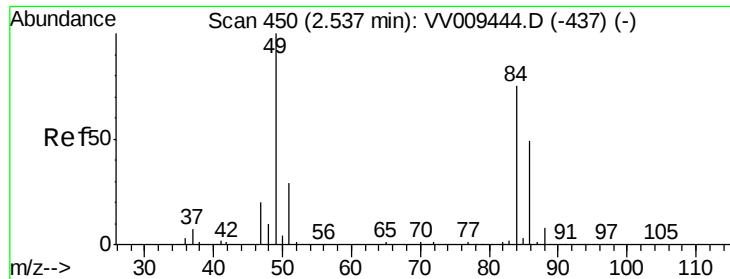
20000

10000

0

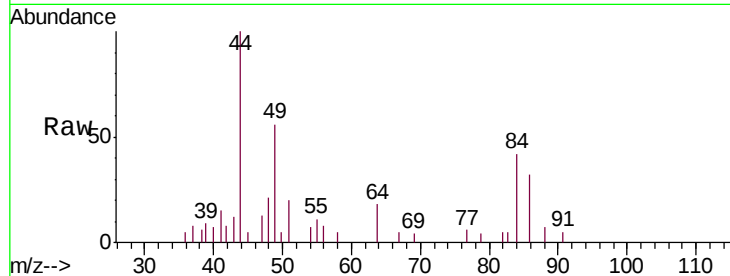
Time--> 2.10 2.15



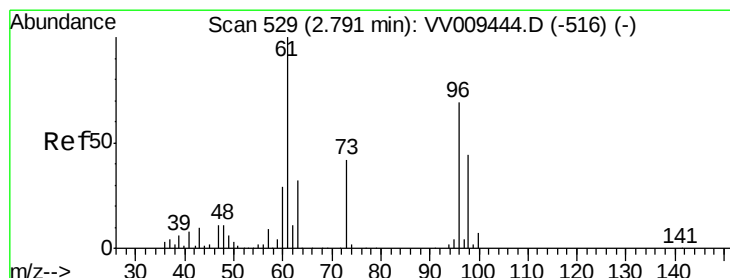
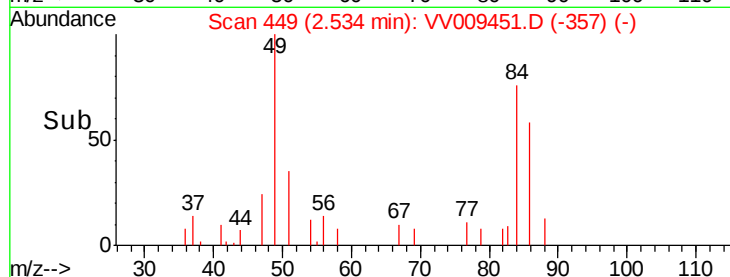
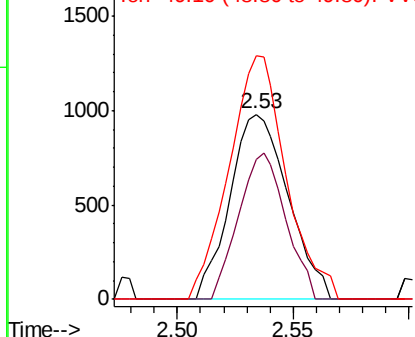


#16
Methylene chloride
Concen: 0.264 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009451.D
Acq: 01 Mar 2019 13:15

Tgt Ion: 84 Resp: 1711
Ion Ratio Lower Upper
84 100
86 75.7 42.8 79.4
49 142.9 90.6 168.2

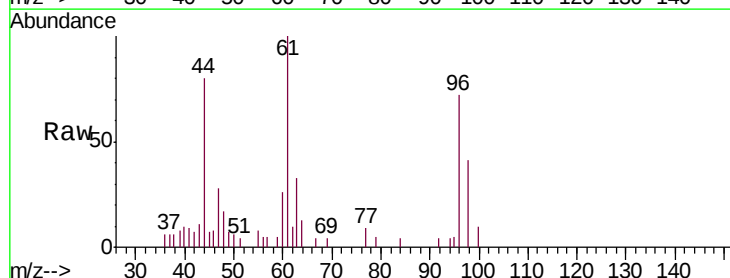


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

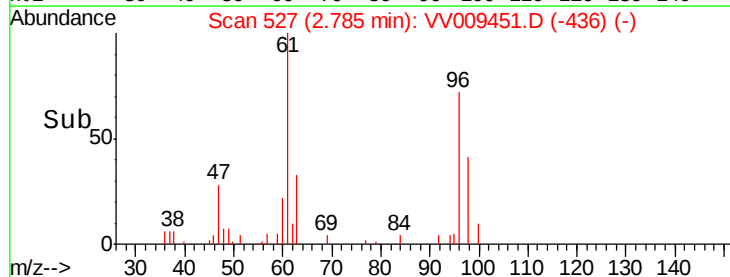
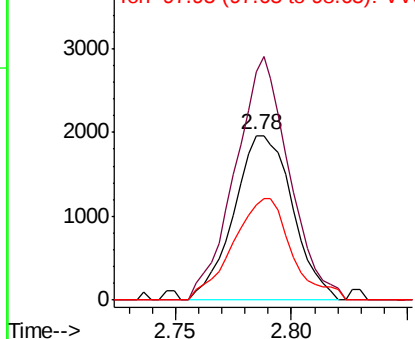


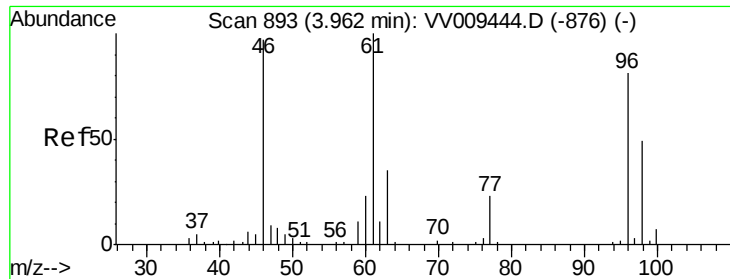
#18
trans-1,2-Dichloroethene
Concen: 0.546 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.01 min
Lab File: VV009451.D
Acq: 01 Mar 2019 13:15

Tgt Ion: 96 Resp: 3457
Ion Ratio Lower Upper
96 100
61 138.8 106.0 196.8
98 57.5 48.2 89.4



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

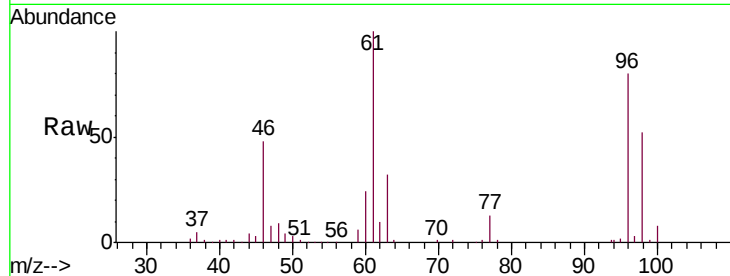




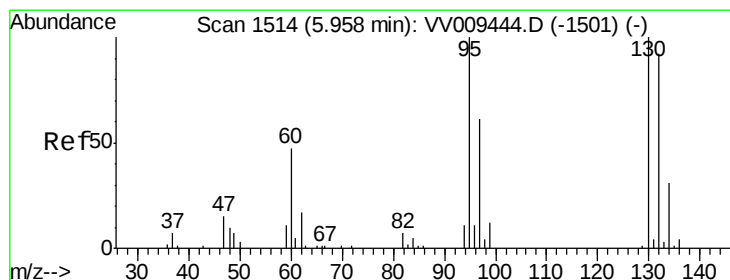
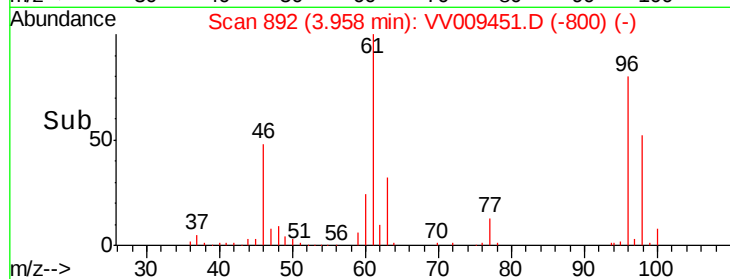
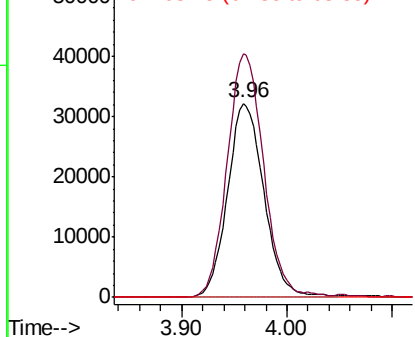
#22

cis-1,2-Dichloroethene
Concen: 13.041 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV009451.D
Acq: 01 Mar 2019 13:15

Tgt Ion: 96 Resp: 77069
Ion Ratio Lower Upper
96 100
61 125.6 86.0 159.8
68 0.0 0.0 0.0



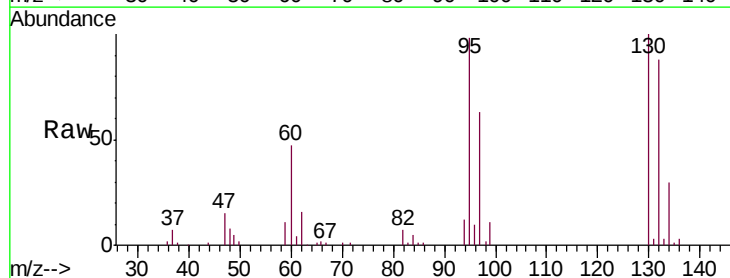
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



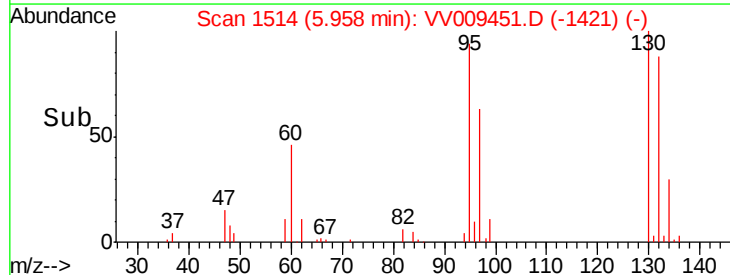
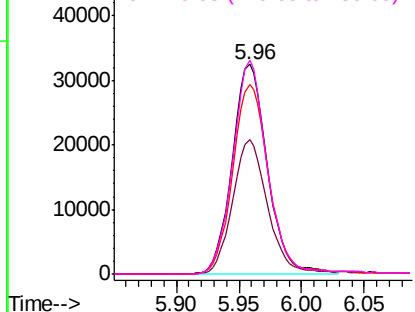
#34

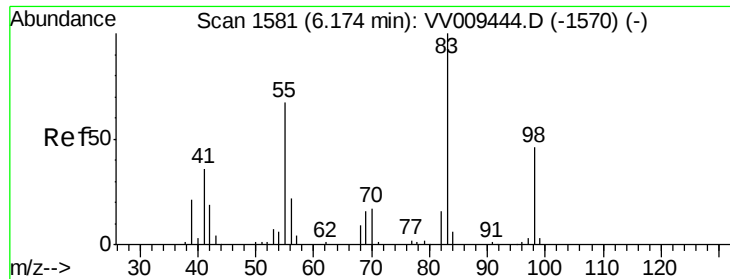
Trichloroethene
Concen: 10.395 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VV009451.D
Acq: 01 Mar 2019 13:15

Tgt Ion: 95 Resp: 63395
Ion Ratio Lower Upper
95 100
97 64.2 44.2 82.2
132 90.1 67.8 126.0
130 101.8 70.4 130.8



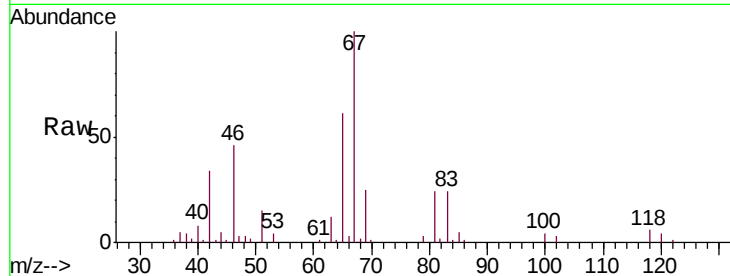
Abundance Ion 95.00 (94.70 to 95.70): VV0
Ion 96.95 (96.65 to 97.65): VV0
Ion 131.95 (131.65 to 132.65): VV0
Ion 129.95 (129.65 to 130.65): VV0



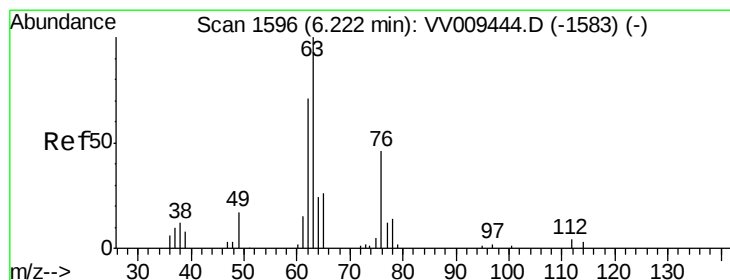
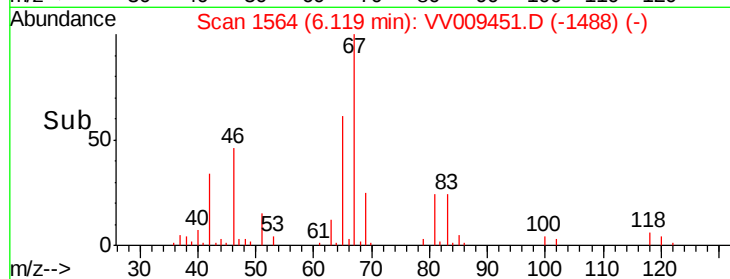
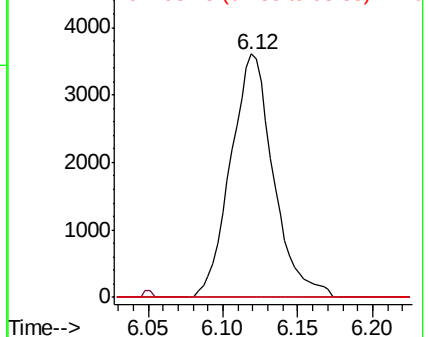


#35
Methylcyclohexane
Concen: 0.718 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV009451.D
Acq: 01 Mar 2019 13:15

Tgt Ion: 83 Resp: 7190
Ion Ratio Lower Upper
83 100
55 0.6 59.8 89.8#
98 0.0 39.9 59.9#

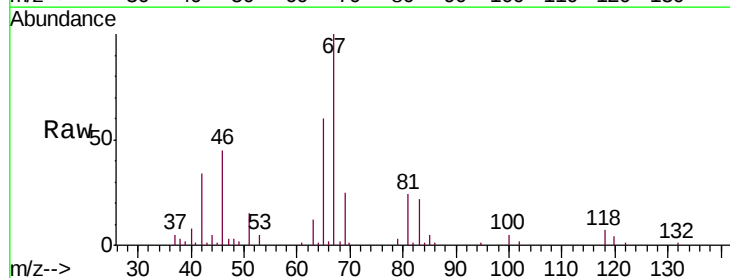


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

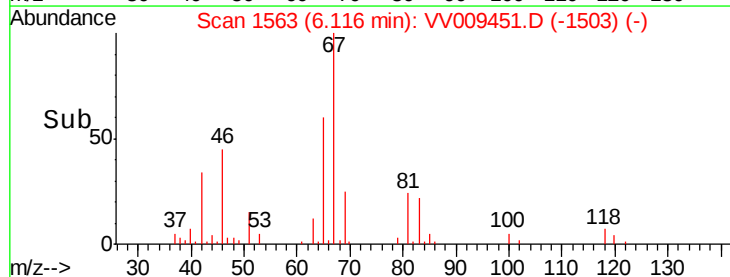
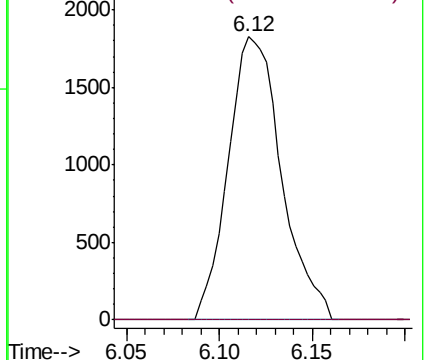


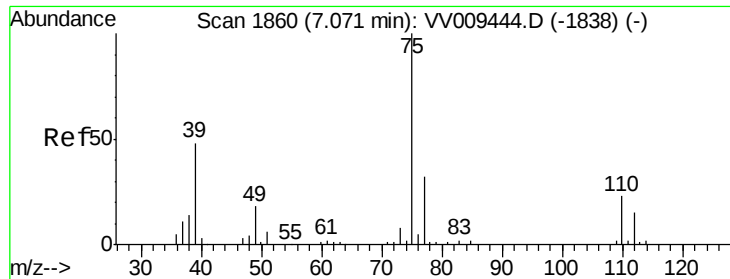
#37
1,2-Dichloropropane
Concen: 0.692 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.11 min
Lab File: VV009451.D
Acq: 01 Mar 2019 13:15

Tgt Ion: 63 Resp: 3657
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



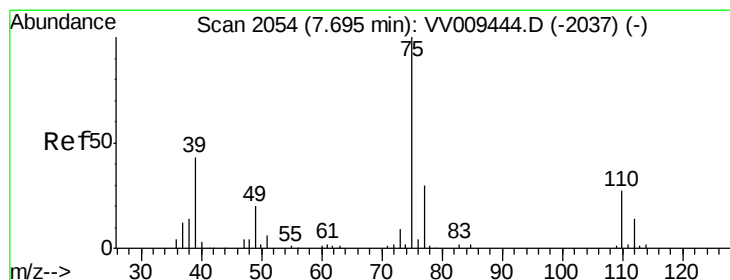
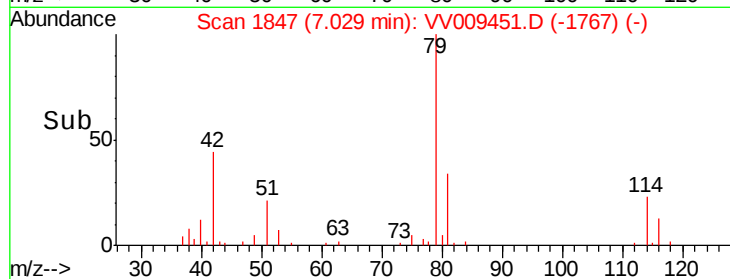
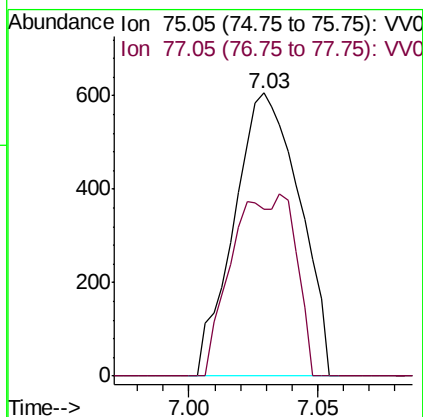
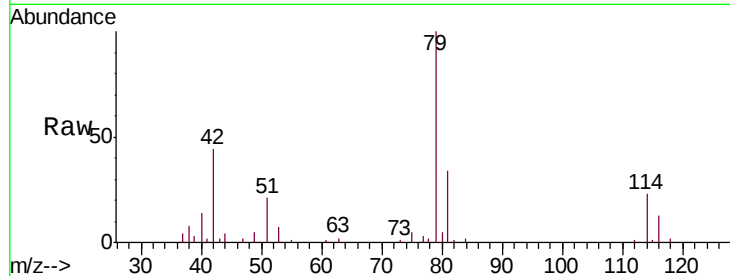
Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





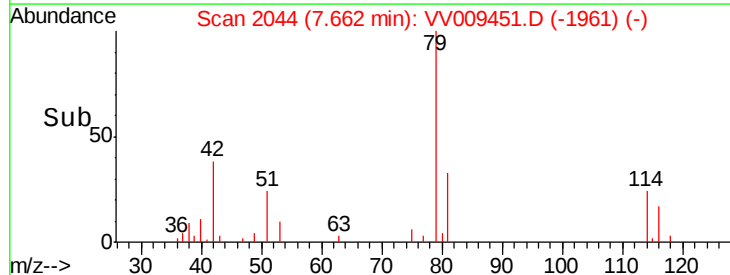
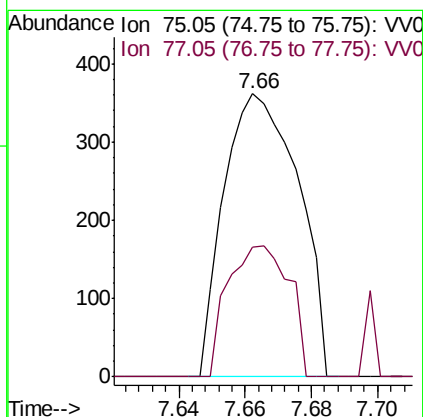
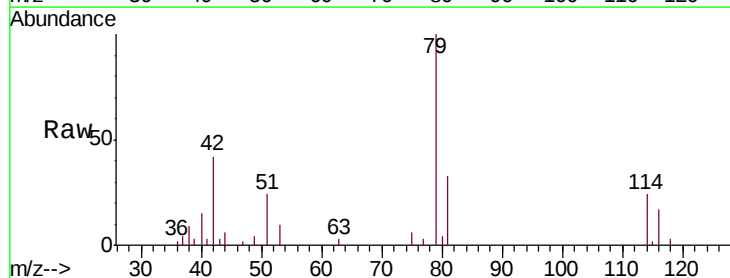
#39
 cis-1,3-Dichloropropene
 Concen: 0.129 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV009451.D
 Acq: 01 Mar 2019 13:15

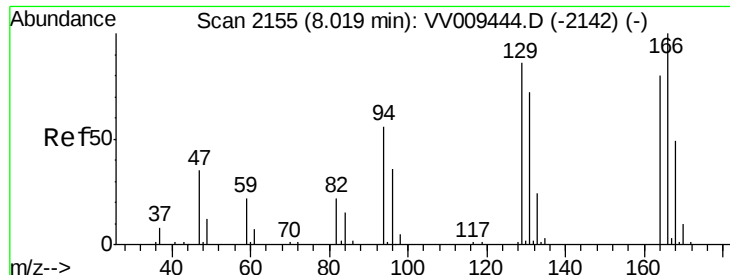
Tgt Ion: 75 Resp: 1073
 Ion Ratio Lower Upper
 75 100
 77 59.1 21.1 39.1#



#44
 trans-1,3-Dichloropropene
 Concen: 0.087 ug/L
 RT: 7.66 min Scan# 2044
 Delta R.T. -0.03 min
 Lab File: VV009451.D
 Acq: 01 Mar 2019 13:15

Tgt Ion: 75 Resp: 564
 Ion Ratio Lower Upper
 75 100
 77 45.9 22.2 41.2#





#47

Tetrachloroethene

Concen: 0.216 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV009451.D

Acq: 01 Mar 2019 13:15

Tgt Ion:164 Resp: 1035

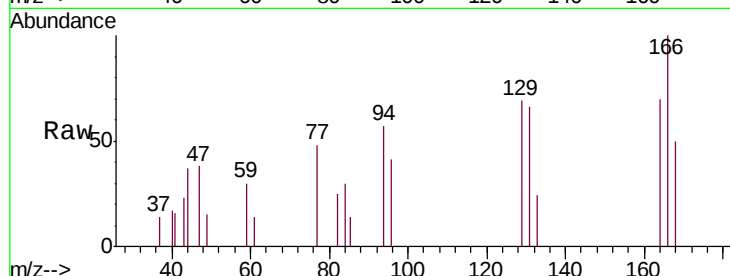
Ion Ratio Lower Upper

164 100

129 98.4 69.3 128.7

131 94.2 64.0 118.8

166 142.5 86.0 159.6

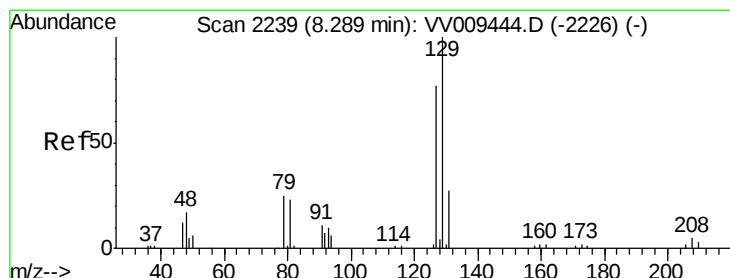
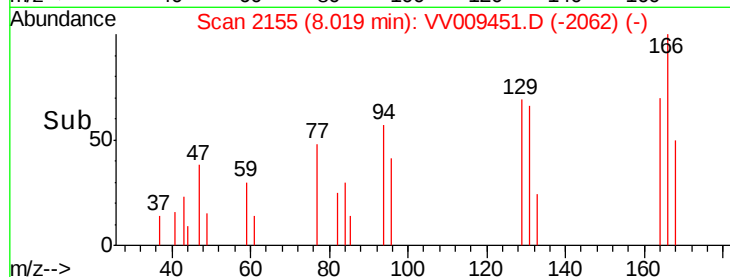
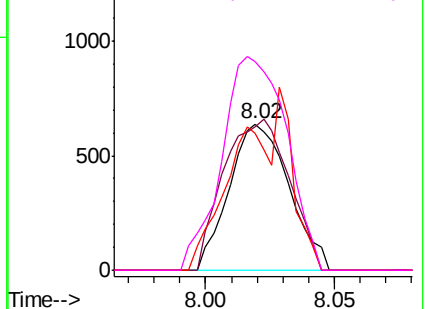


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#49

Dibromochloromethane

Concen: 0.237 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.27 min

Lab File: VV009451.D

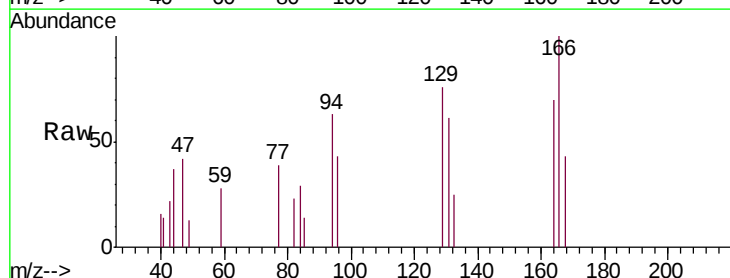
Acq: 01 Mar 2019 13:15

Tgt Ion:129 Resp: 1168

Ion Ratio Lower Upper

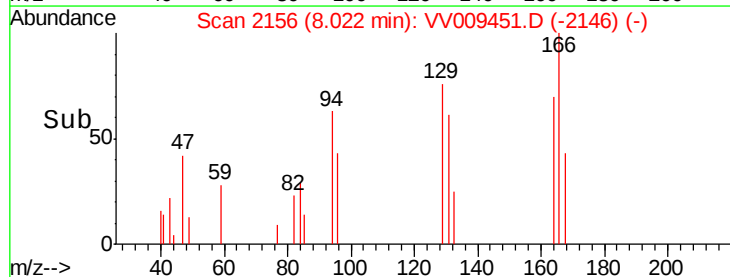
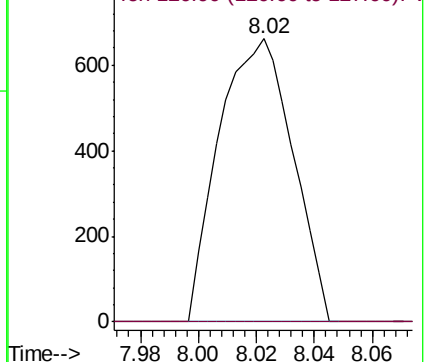
129 100

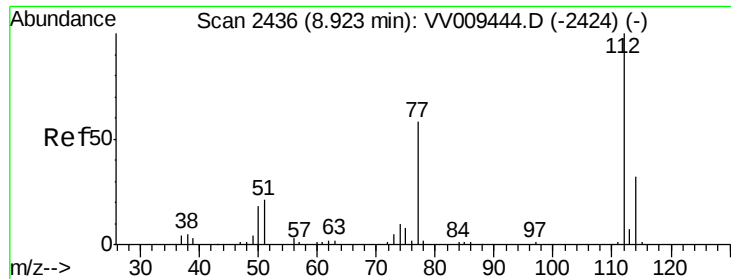
127 0.0 56.6 105.2#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#51

Chlorobenzene

Concen: 0.109 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009451.D

Acq: 01 Mar 2019 13:15

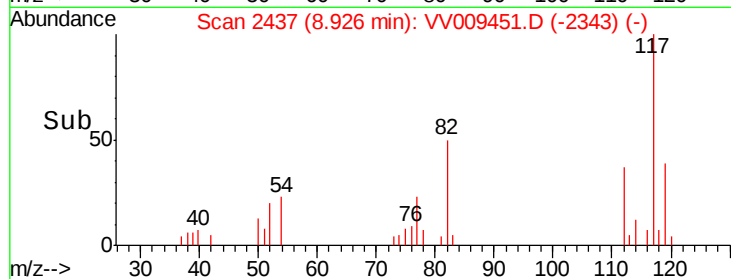
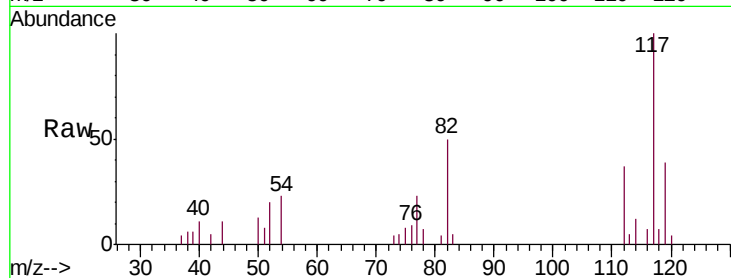
Tgt Ion:112 Resp: 1754

Ion Ratio Lower Upper

112 100

114 30.8 23.2 43.2

77 61.4 45.7 68.5



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

