

Data File : VV009449.D
Acq On : 01 Mar 2019 12:23
Operator : SY/MD
Sample : K1599-06DL 5X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 02 00:10:17 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	97818	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	90589	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	41468	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	22235	4.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.20%
7) Chloroethane-d5	1.57	69	20095	4.35	ug/L	-0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	2.12	63	47606	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.60%
20) 2-Butanone-d5	3.96	46	55054	56.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.64%
24) Chloroform-d	4.40	84	51894	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
26) 1,2-Dichloroethane-d4	5.08	65	26870	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.00%
32) Benzene-d6	5.10	84	105004	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.00%
36) 1,2-Dichloropropane-d6	6.12	67	31566	5.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.80%
41) Toluene-d8	7.36	98	103091	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
43) trans-1,3-Dichloropropene-	7.67	79	12791	4.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.60%
46) 2-Hexanone-d5	8.14	63	54934	65.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	130.64%#
57) 1,1,2,2-Tetrachloroethane-	10.26	84	24026	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	35591	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	674	0.106 ug/L	96
5) Vinyl chloride	1.21	62	559	0.080 ug/L	84
6) Bromomethane	1.53	94	1699	0.355 ug/L	97
12) 1,1-Dichloroethene	2.13	96	1132	0.177 ug/L #	1
16) Methylene chloride	2.53	84	2319	0.326 ug/L	74
22) cis-1,2-Dichloroethene	3.96	96	15474	2.387 ug/L	97
34) Trichloroethene	5.96	95	53085	7.984 ug/L	97
35) Methylcyclohexane	6.12	83	8121	0.744 ug/L #	20
37) 1,2-Dichloropropane	6.12	63	3837	0.666 ug/L #	88
39) cis-1,3-Dichloropropene	7.03	75	1366	0.150 ug/L #	71
42) Toluene	7.43	91	3957	0.148 ug/L	99
44) trans-1,3-Dichloropropene	7.66	75	647	0.091 ug/L #	58
47) Tetrachloroethene	8.02	164	946	0.181 ug/L	93
49) Dibromochloromethane	8.02	129	922	0.172 ug/L #	9

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

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Misc : 25ML/MSVOA_V/WATER

ALS Vial : 7 Sample Multiplier: 1

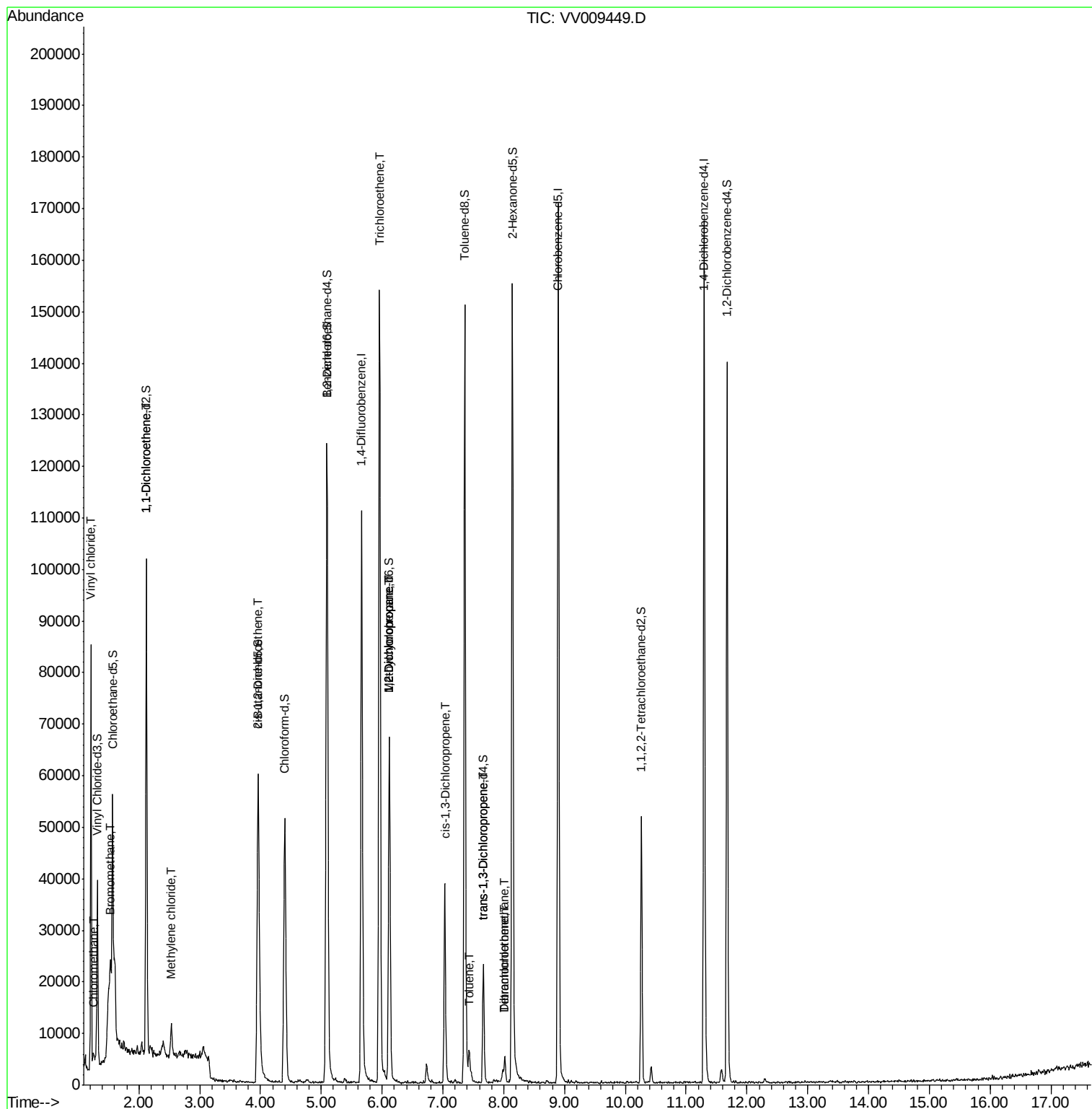
Quant Time: Mar 02 00:10:17 2019

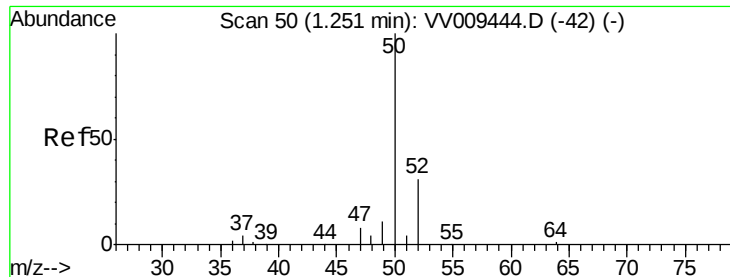
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR022819WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Sat Mar 02 00:06:51 2019

Response via : Initial Calibration





#3

Chloromethane

Concen: 0.106 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009449.D

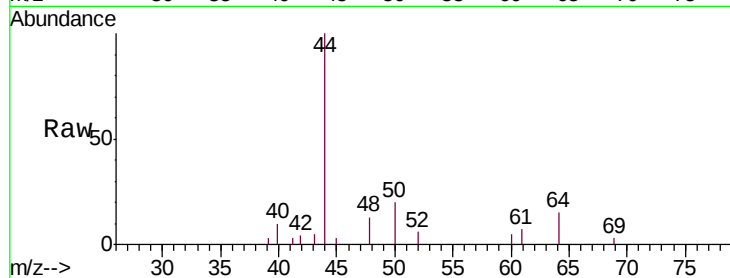
Acq: 01 Mar 2019 12:23

Tgt Ion: 50 Resp: 674

Ion Ratio Lower Upper

50 100

52 31.2 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VV009444.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV009444.D (-42) (-)

1.25

600

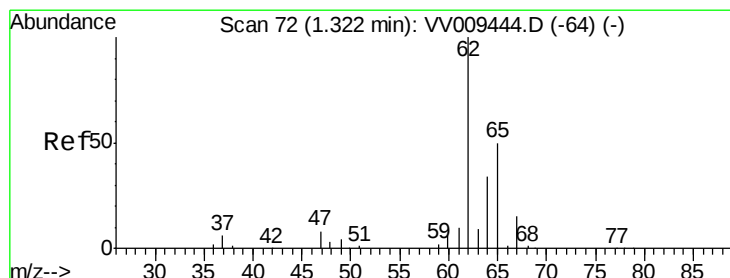
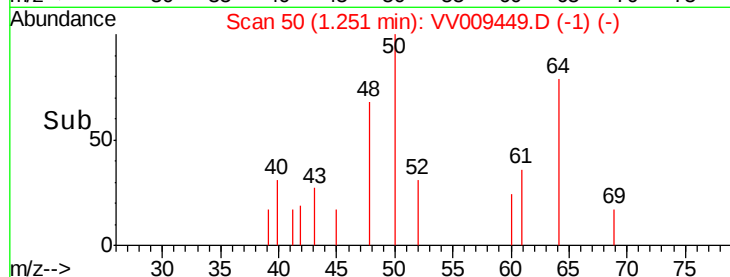
400

200

0

1.22 1.24 1.26 1.28

Time-->



#5

Vinyl chloride

Concen: 0.080 ug/L

RT: 1.21 min Scan# 38

Delta R.T. -0.11 min

Lab File: VV009449.D

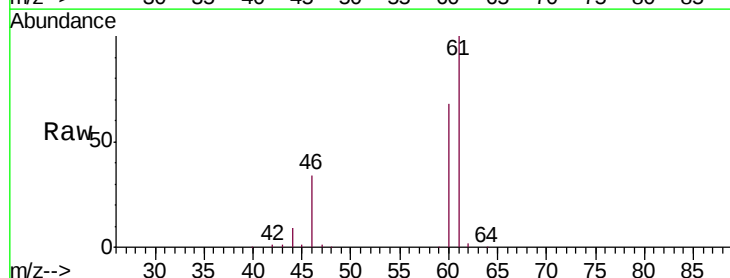
Acq: 01 Mar 2019 12:23

Tgt Ion: 62 Resp: 559

Ion Ratio Lower Upper

62 100

64 22.2 21.6 40.0



Abundance Ion 62.00 (61.70 to 62.70): VV009449.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VV009449.D (-1) (-)

800

600

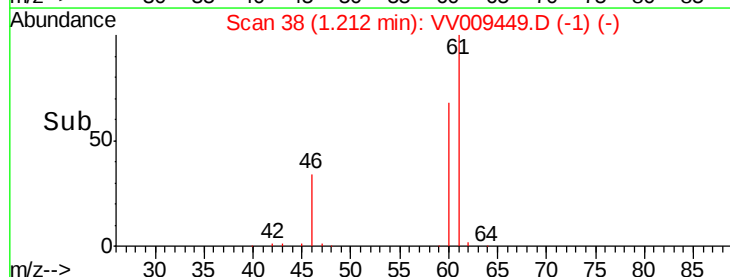
400

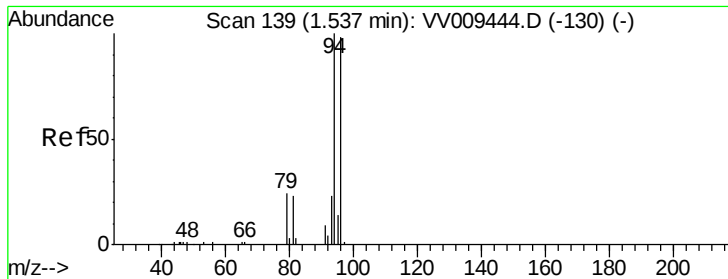
200

0

1.20 1.22 1.24

Time-->





#6

Bromomethane

Concen: 0.355 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.01 min

Lab File: VV009449.D

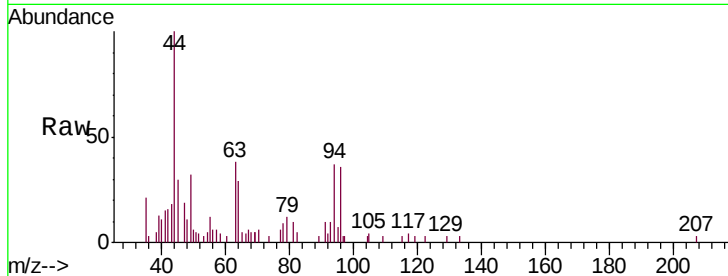
Acq: 01 Mar 2019 12:23

Tgt Ion: 94 Resp: 1699

Ion Ratio Lower Upper

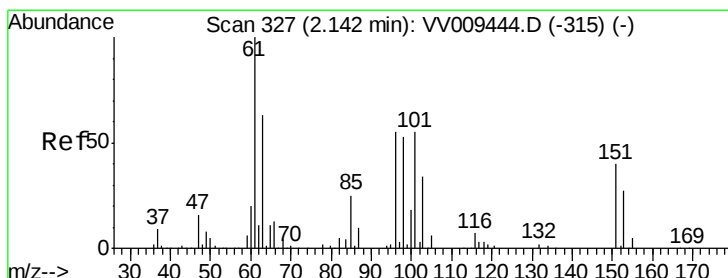
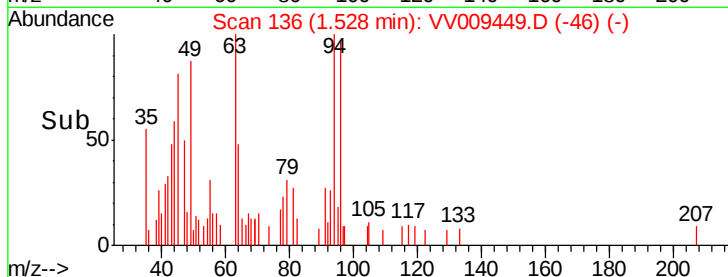
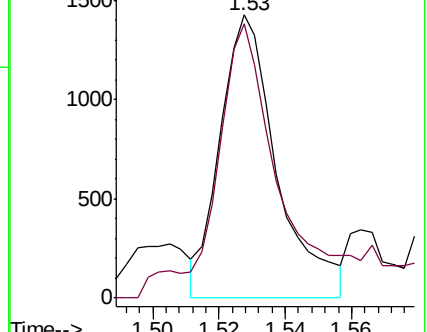
94 100

96 97.0 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0



#12

1,1-Dichloroethene

Concen: 0.177 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.02 min

Lab File: VV009449.D

Acq: 01 Mar 2019 12:23

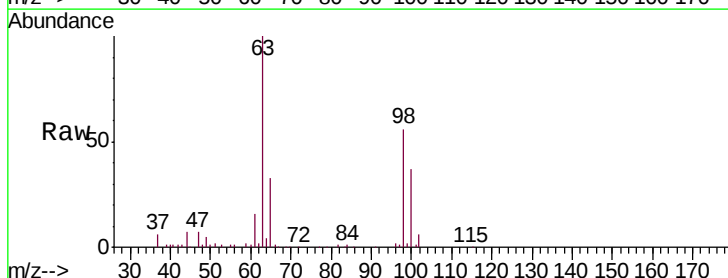
Tgt Ion: 96 Resp: 1132

Ion Ratio Lower Upper

96 100

61 927.2 123.1 228.5#

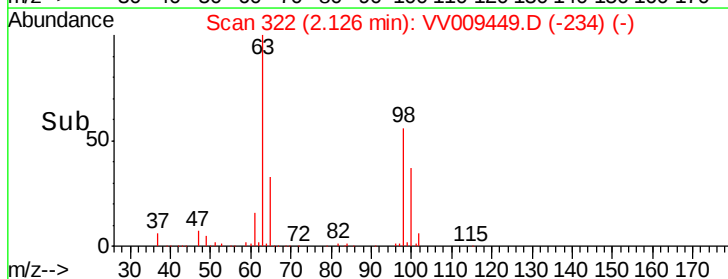
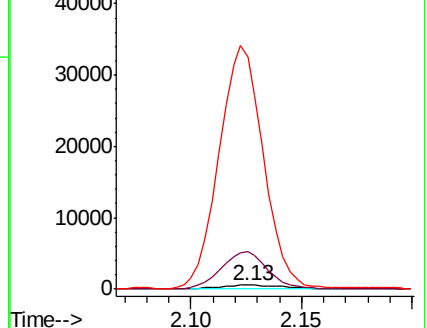
63 5767.7 82.9 153.9#

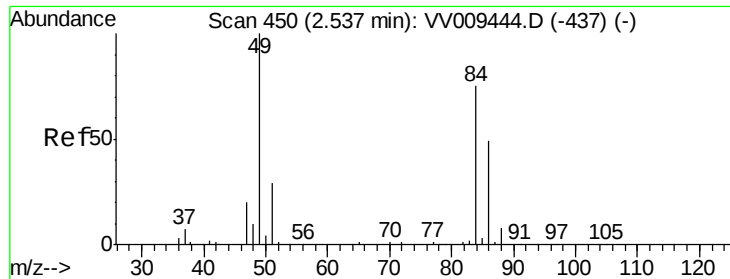


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

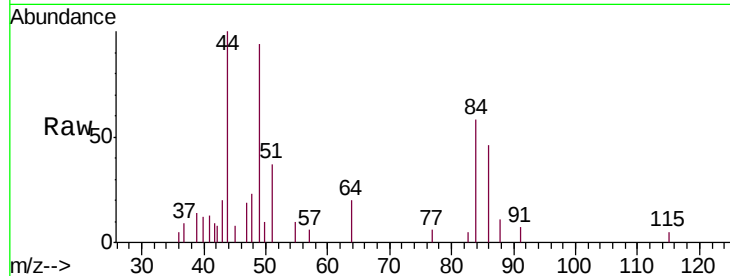
Ion 63.00 (62.70 to 63.70): VV0



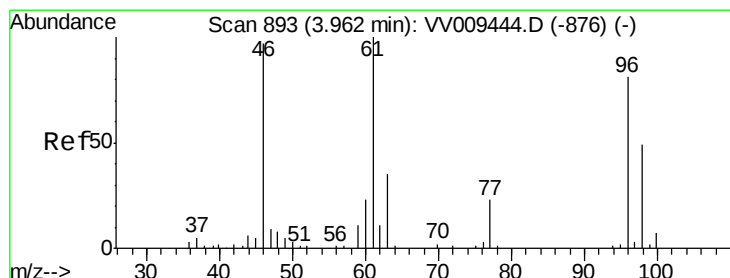
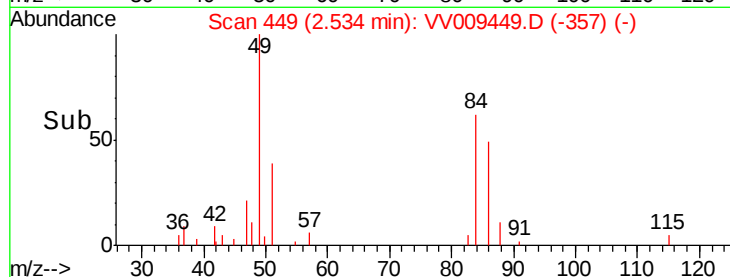
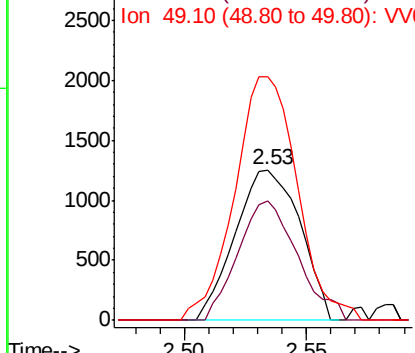


#16
Methylene chloride
Concen: 0.326 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009449.D
Acq: 01 Mar 2019 12:23

Tgt Ion: 84 Resp: 2319
Ion Ratio Lower Upper
84 100
86 79.3 42.8 79.4
49 161.5 90.6 168.2

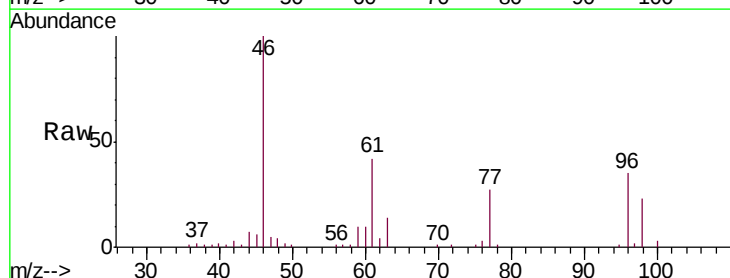


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

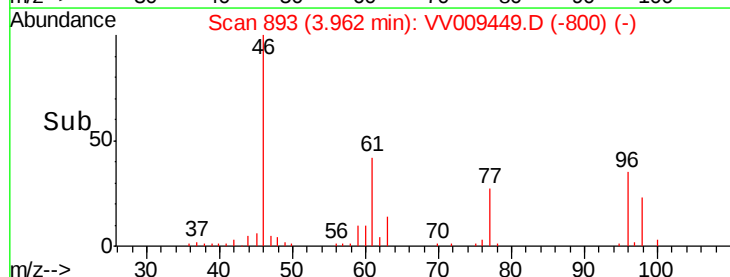
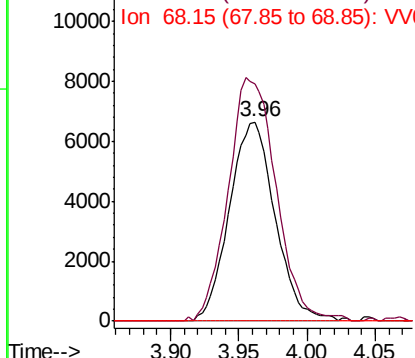


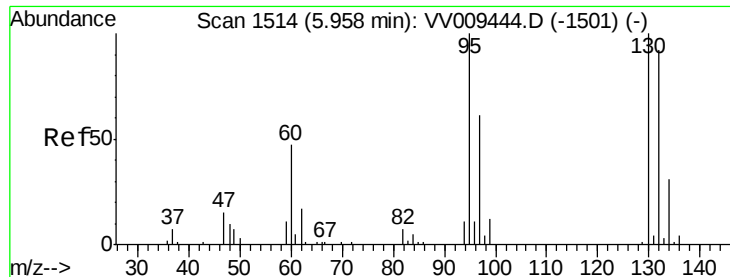
#22
cis-1,2-Dichloroethene
Concen: 2.387 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV009449.D
Acq: 01 Mar 2019 12:23

Tgt Ion: 96 Resp: 15474
Ion Ratio Lower Upper
96 100
61 119.0 86.0 159.8
68 0.0 0.0 0.0



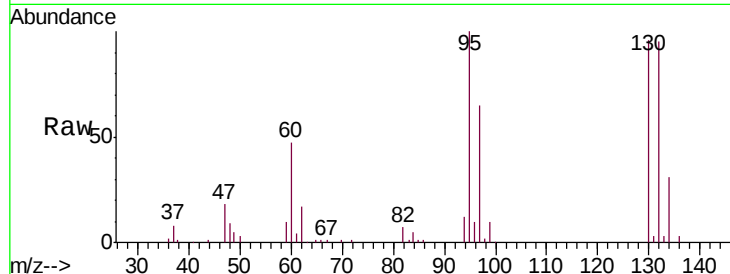
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



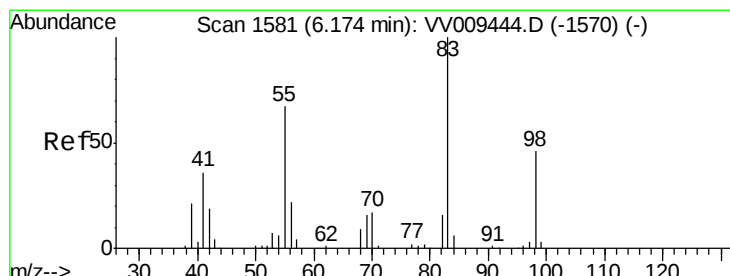
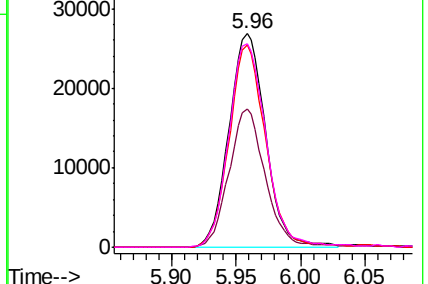
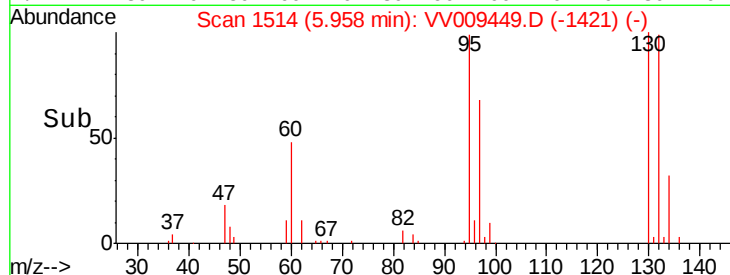


#34
 Trichloroethene
 Concen: 7.984 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV009449.D
 Acq: 01 Mar 2019 12:23

Tgt Ion: 95 Resp: 53085
 Ion Ratio Lower Upper
 95 100
 97 65.0 44.2 82.2
 132 94.7 67.8 126.0
 130 95.6 70.4 130.8

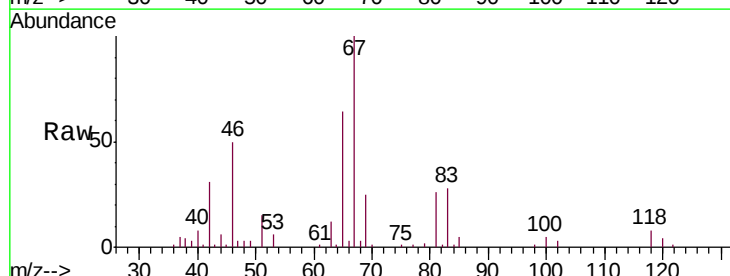


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

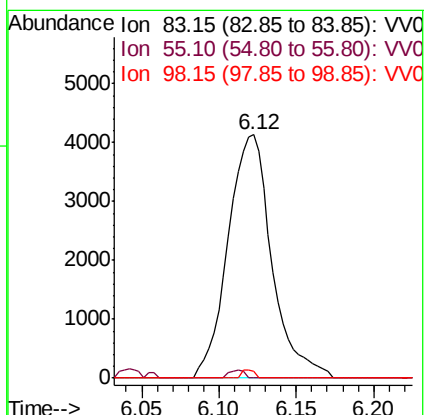
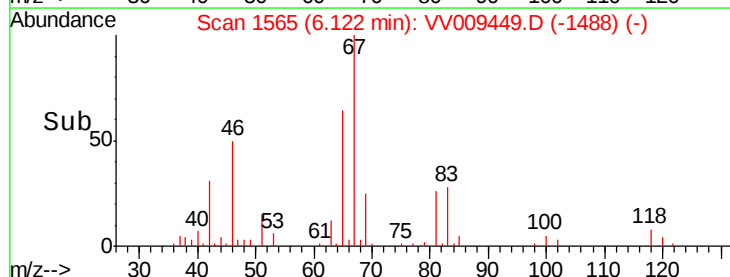


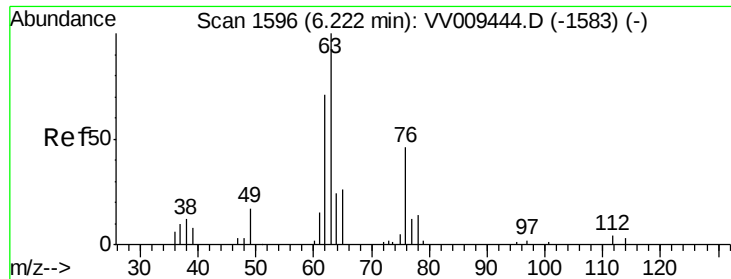
#35
 Methylcyclohexane
 Concen: 0.744 ug/L
 RT: 6.12 min Scan# 1565
 Delta R.T. -0.05 min
 Lab File: VV009449.D
 Acq: 01 Mar 2019 12:23

Tgt Ion: 83 Resp: 8121
 Ion Ratio Lower Upper
 83 100
 55 1.1 59.8 89.8#
 98 0.9 39.9 59.9#



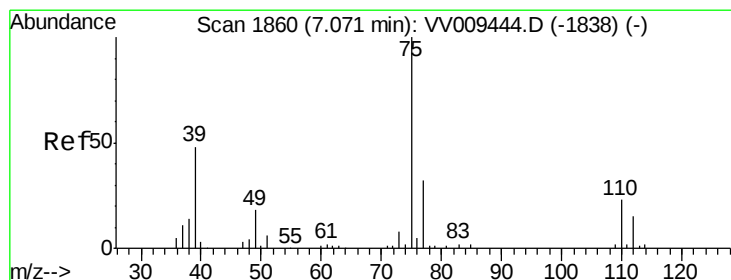
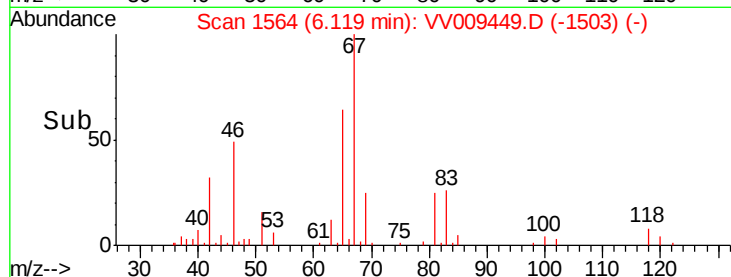
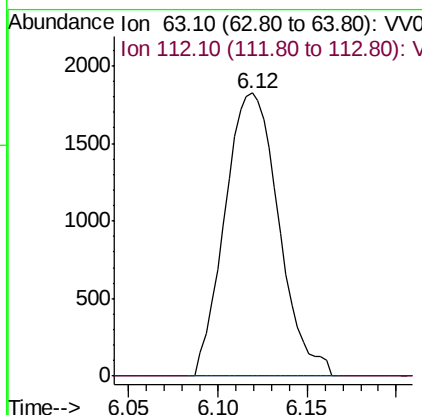
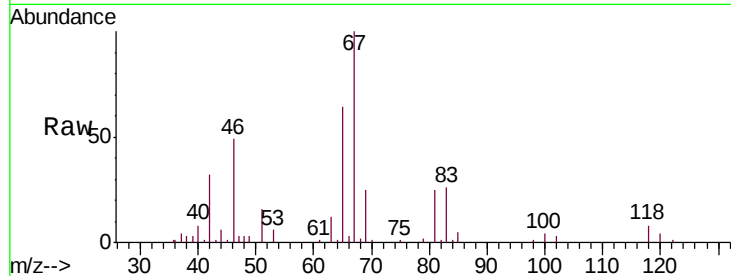
Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0





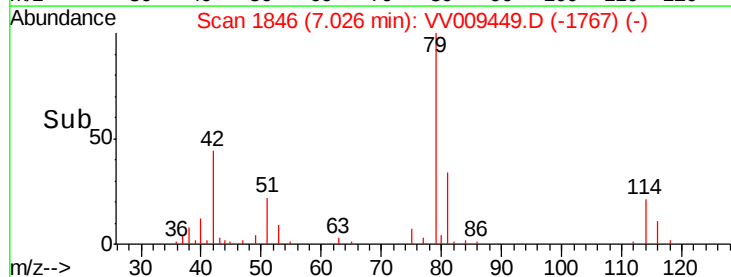
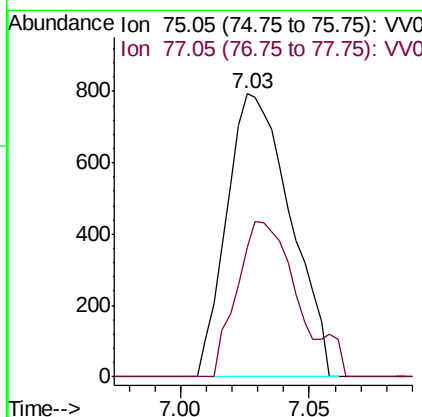
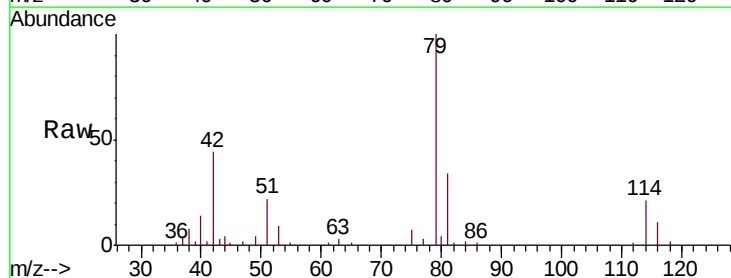
#37
 1,2-Dichloropropane
 Concen: 0.666 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV009449.D
 Acq: 01 Mar 2019 12:23

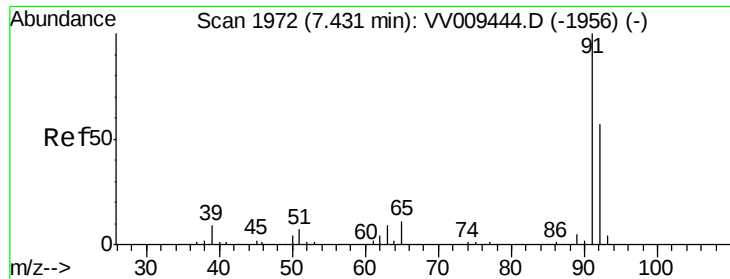
Tgt Ion: 63 Resp: 3837
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.150 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.05 min
 Lab File: VV009449.D
 Acq: 01 Mar 2019 12:23

Tgt Ion: 75 Resp: 1366
 Ion Ratio Lower Upper
 75 100
 77 45.9 21.1 39.1#





#42

Toluene

Concen: 0.148 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009449.D

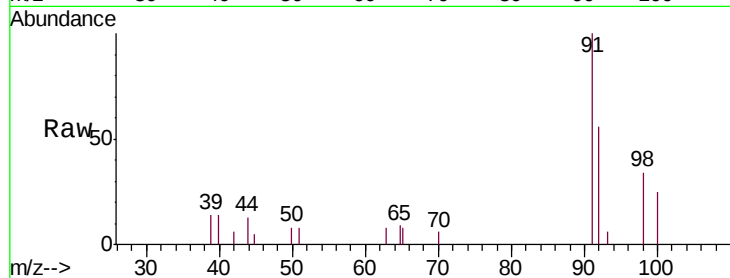
Acq: 01 Mar 2019 12:23

Tgt Ion: 91 Resp: 3957

Ion Ratio Lower Upper

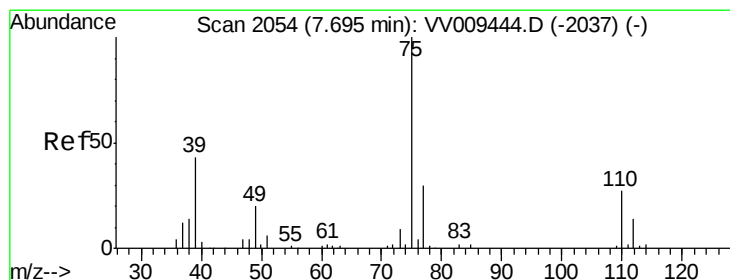
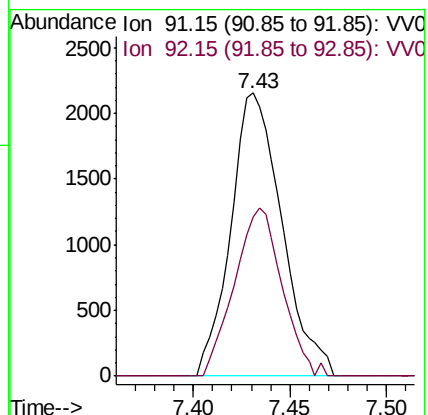
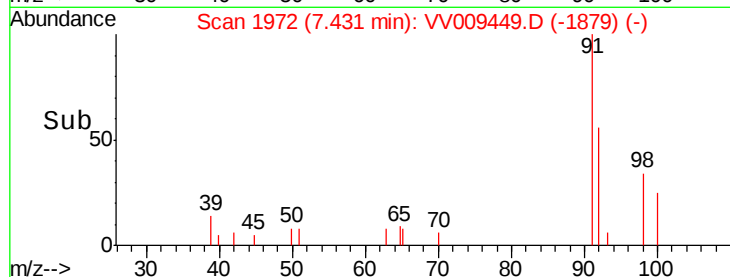
91 100

92 56.1 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VV009449.D (-1879) (-)

Ion 92.15 (91.85 to 92.85): VV009449.D (-1879) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV009449.D

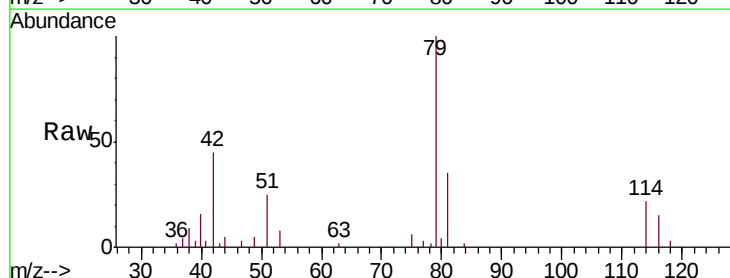
Acq: 01 Mar 2019 12:23

Tgt Ion: 75 Resp: 647

Ion Ratio Lower Upper

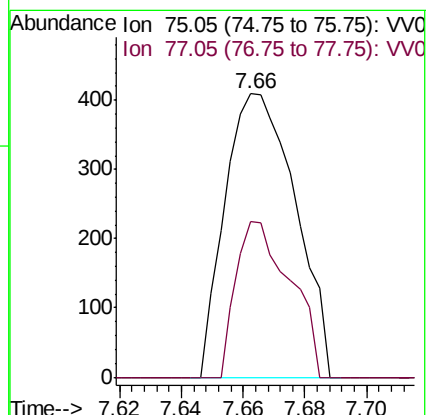
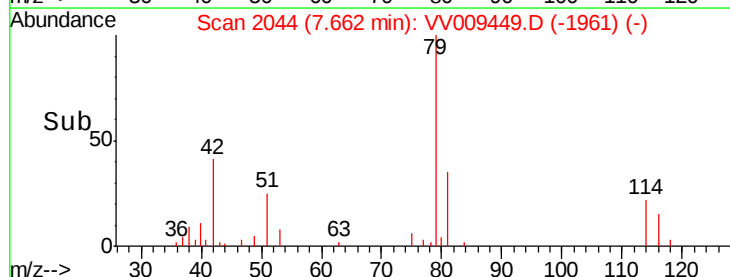
75 100

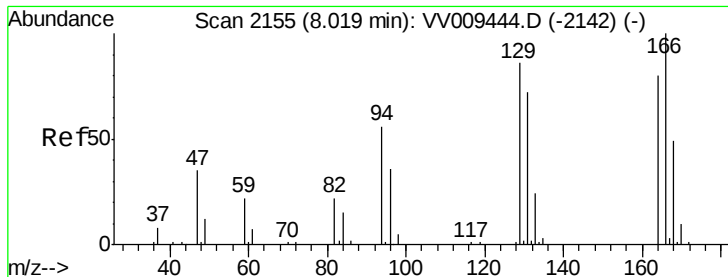
77 55.0 22.2 41.2#



Abundance Ion 75.05 (74.75 to 75.75): VV009449.D (-1961) (-)

Ion 77.05 (76.75 to 77.75): VV009449.D (-1961) (-)





#47

Tetrachloroethene

Concen: 0.181 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV009449.D

Acq: 01 Mar 2019 12:23

Tgt Ion:164 Resp: 946

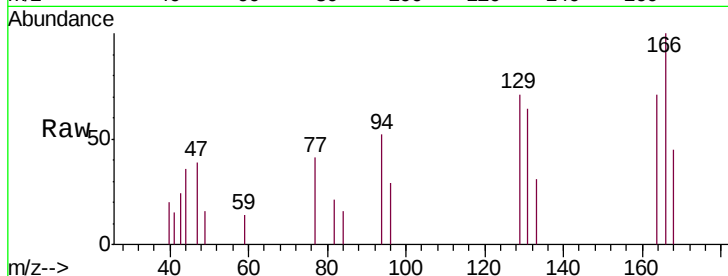
Ion Ratio Lower Upper

164 100

129 99.5 69.3 128.7

131 89.4 64.0 118.8

166 140.5 86.0 159.6

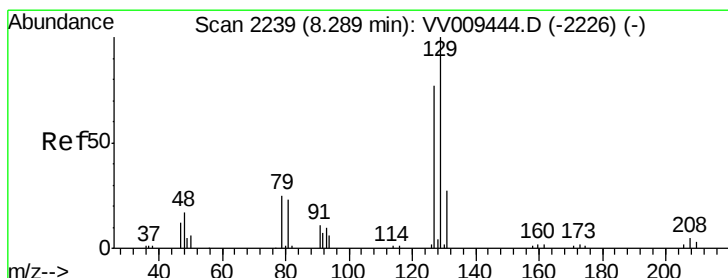
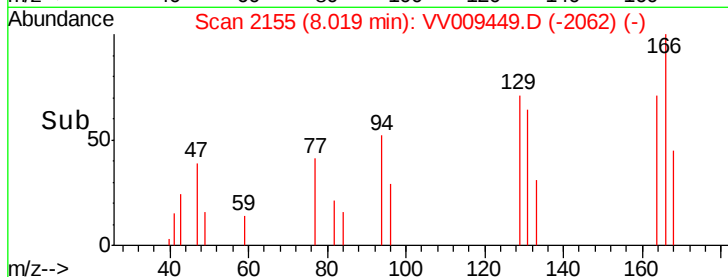
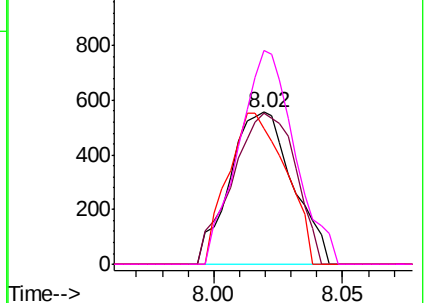


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.172 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV009449.D

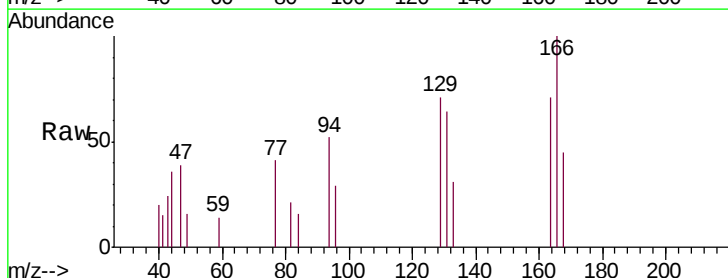
Acq: 01 Mar 2019 12:23

Tgt Ion:129 Resp: 922

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

