

Data File : VV011559.D
Acq On : 17 Jun 2019 19:09
Operator : SY/MD
Sample : K3289-16DL 4X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCM1

Quant Time: Jun 18 08:46:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 18 08:42:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	168039	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	161160	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	71476	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	41194	3.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.00%
7) Chloroethane-d5	1.55	69	30636	3.81	ug/L	-0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.20%
11) 1,1-Dichloroethene-d2	2.11	63	70348	2.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.20%#
20) 2-Butanone-d5	3.94	46	184022	51.55	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.10%
24) Chloroform-d	4.39	84	106613	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	5.08	65	64103	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.09	84	204195	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
36) 1,2-Dichloropropane-d6	6.11	67	65778	4.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.20%
41) Toluene-d8	7.36	98	172500	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
43) trans-1,3-Dichloropropene-	7.66	79	20617	4.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.20%
46) 2-Hexanone-d5	8.14	63	158281	54.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.02%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	57600	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	69584	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

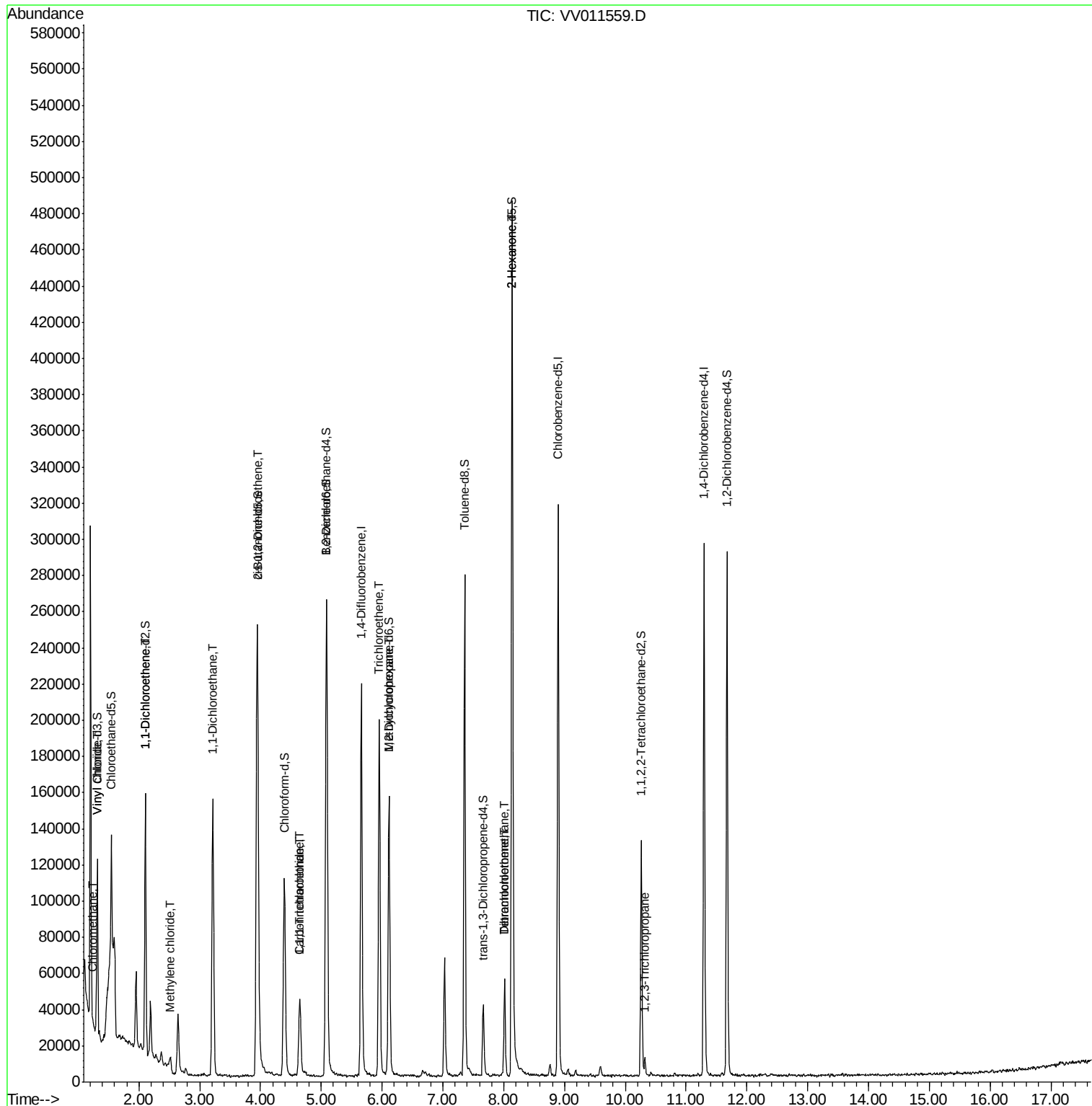
					Qvalue
3) Chloromethane	1.24	50	1737	0.107 ug/L	99
5) Vinyl chloride	1.32	62	21110	1.316 ug/L	88
12) 1,1-Dichloroethene	2.12	96	6808	0.651 ug/L #	1
16) Methylene chloride	2.52	84	2385	0.201 ug/L	95
19) 1,1-Dichloroethane	3.22	63	147972	6.053 ug/L	100
22) cis-1,2-Dichloroethene	3.95	96	77379	5.780 ug/L	95
29) 1,1,1-Trichloroethane	4.65	97	31800	1.586 ug/L	97
31) Carbon tetrachloride	4.65	117	3977	0.245 ug/L	98
34) Trichloroethene	5.95	95	64430	4.800 ug/L	98
35) Methylcyclohexane	6.11	83	16149	0.844 ug/L #	16
47) Tetrachloroethene	8.02	164	11356	1.186 ug/L	89
48) 2-Hexanone	8.14	43	23406	3.333 ug/L #	67
49) Dibromochloromethane	8.02	129	9858	1.049 ug/L #	12
59) 1,2,3-Trichloropropane	10.32	75	3554	0.406 ug/L	91

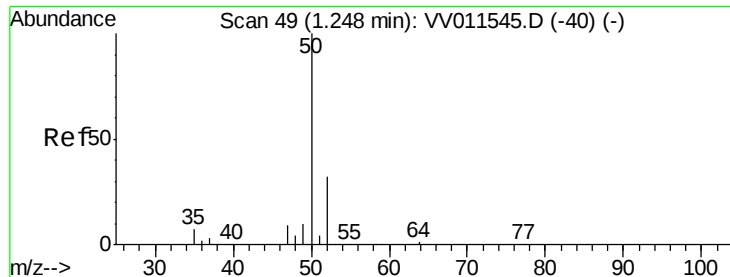
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.107 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV011559.D

Acq: 17 Jun 2019 19:09

Instrument :

MSVOA_V

ClientSampled :

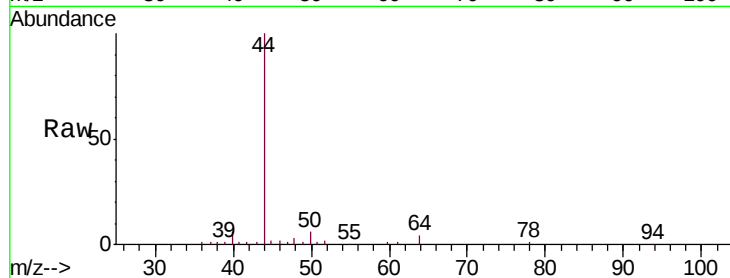
BFCM1

Tgt Ion: 50 Resp: 1737

Ion Ratio Lower Upper

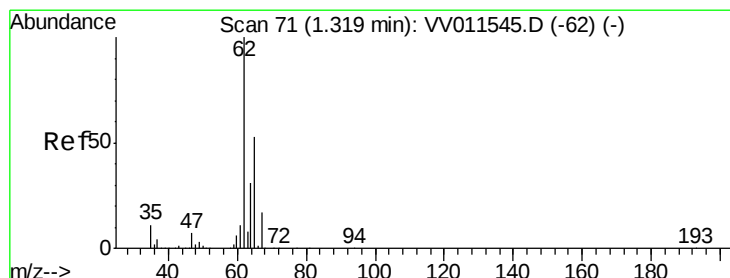
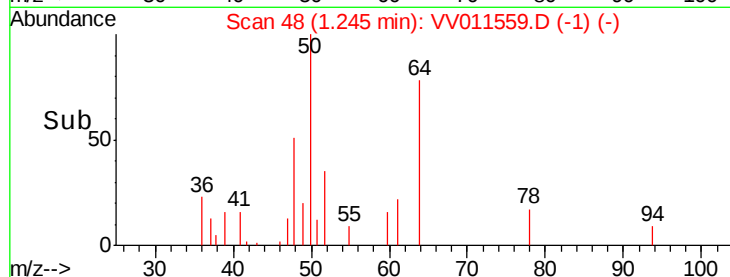
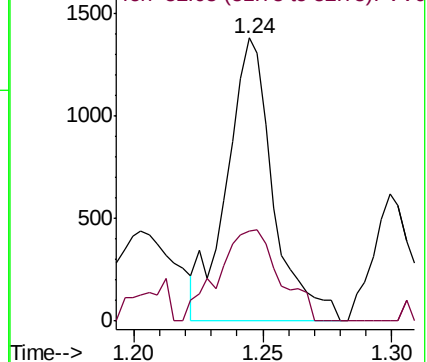
50 100

52 32.0 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV011545.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV011545.D (-40) (-)



#5

Vinyl chloride

Concen: 1.316 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011559.D

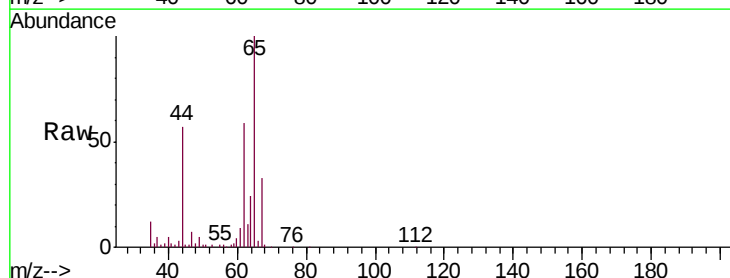
Acq: 17 Jun 2019 19:09

Tgt Ion: 62 Resp: 21110

Ion Ratio Lower Upper

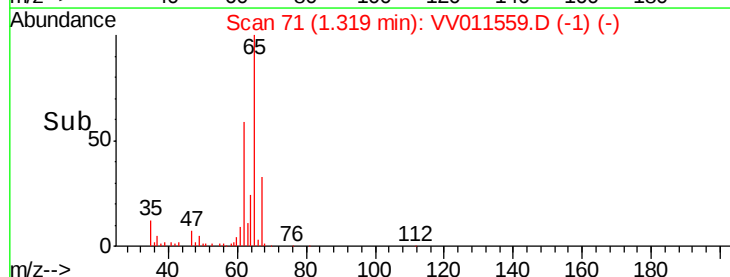
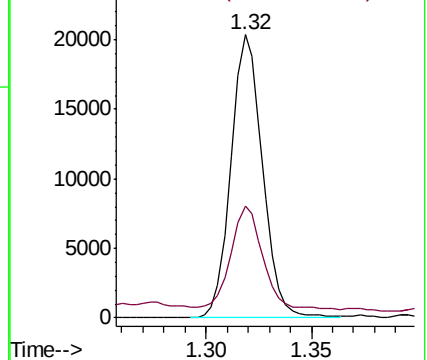
62 100

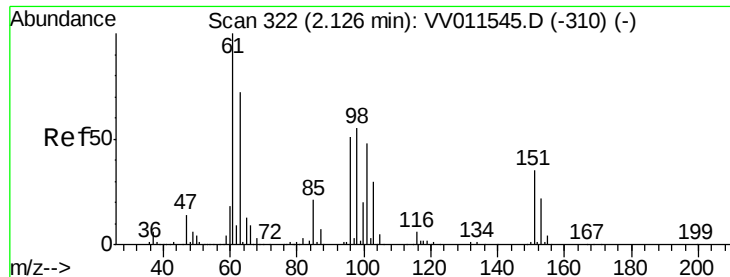
64 39.6 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV011545.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV011545.D (-62) (-)





#12

1,1-Dichloroethene

Concen: 0.651 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV011559.D

Acq: 17 Jun 2019 19:09

Instrument :

MSVOA_V

ClientSampled :

BFCM1

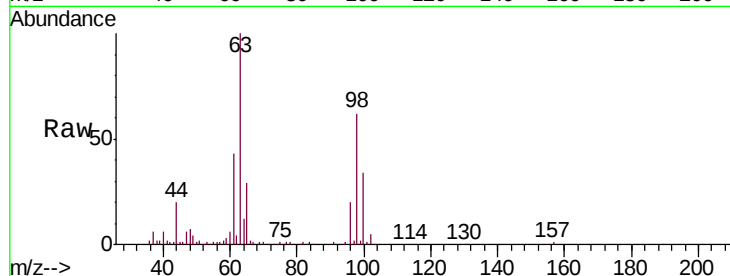
Tgt Ion: 96 Resp: 6808

Ion Ratio Lower Upper

96 100

61 212.2 135.9 252.5

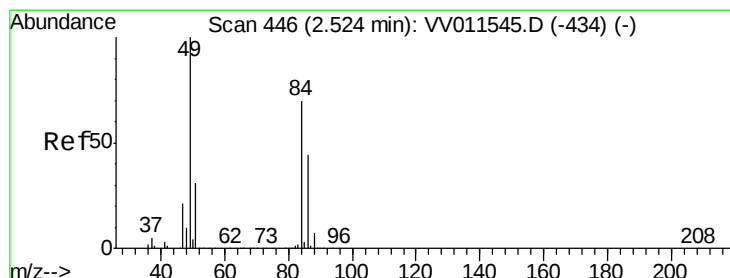
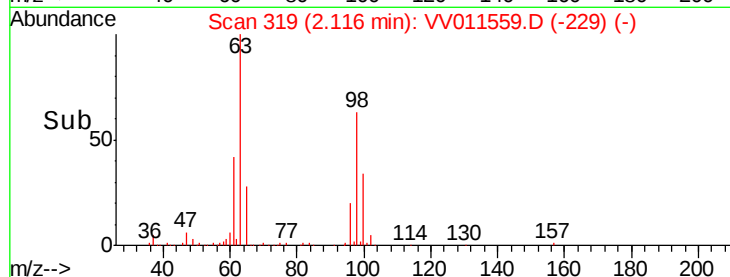
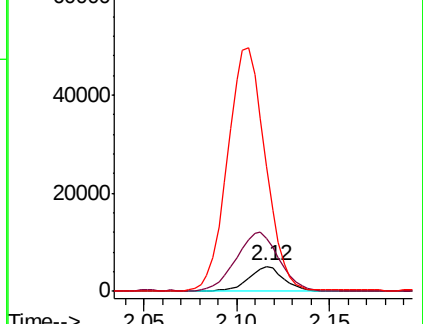
63 495.7 86.2 160.2#



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: 0.201 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV011559.D

Acq: 17 Jun 2019 19:09

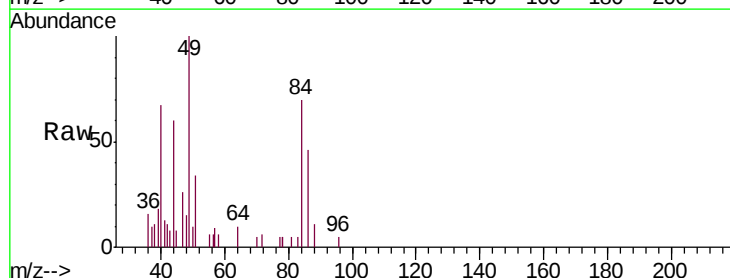
Tgt Ion: 84 Resp: 2385

Ion Ratio Lower Upper

84 100

86 66.7 42.5 78.9

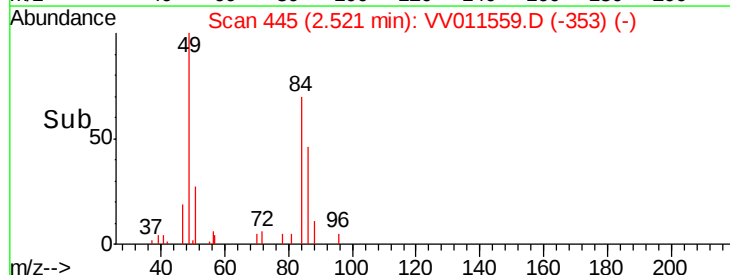
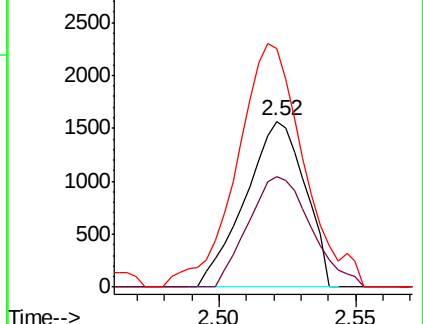
49 143.6 97.7 181.5

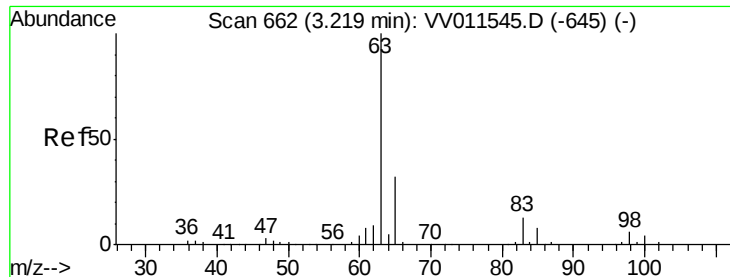


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

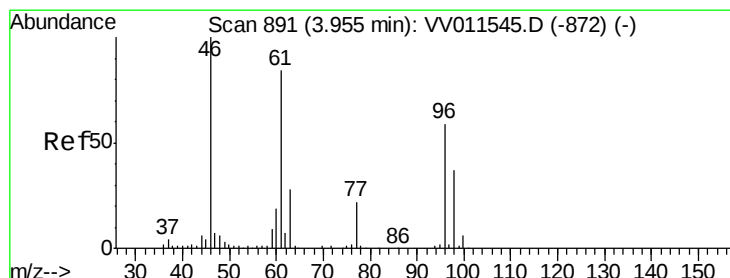
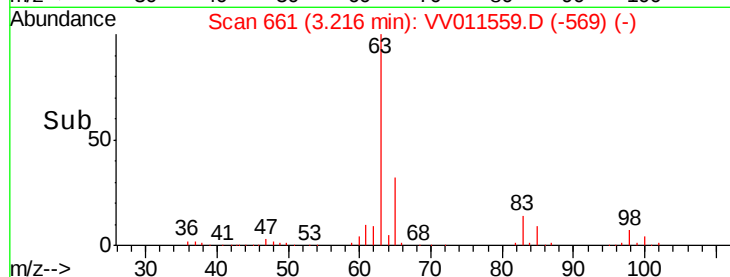
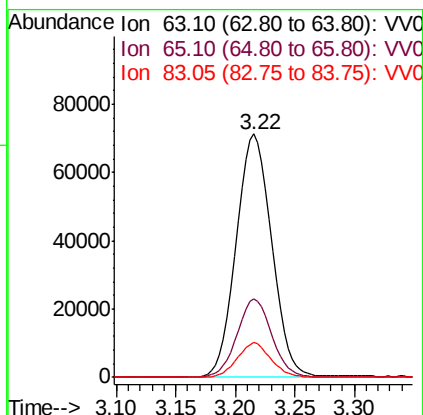
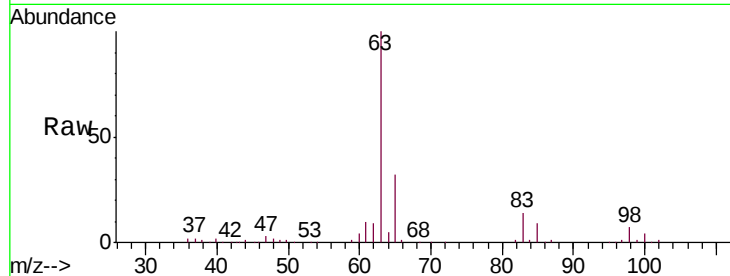




#19
 1,1-Dichloroethane
 Concen: 6.053 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. -0.00 min
 Lab File: VV011559.D
 Acq: 17 Jun 2019 19:09

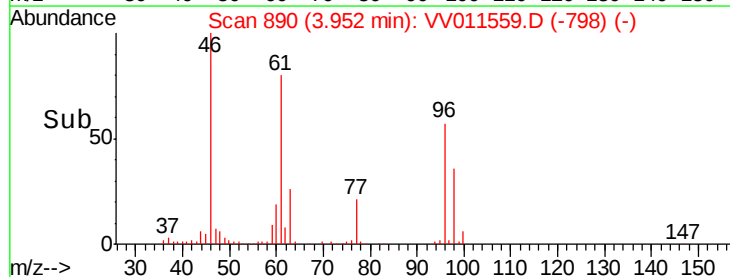
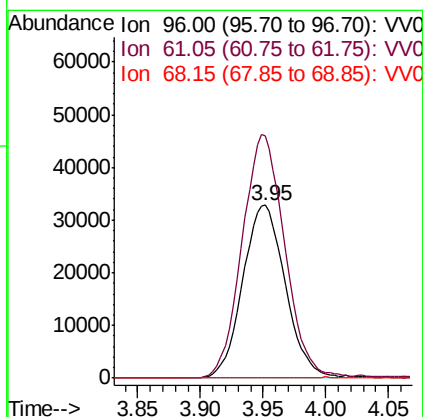
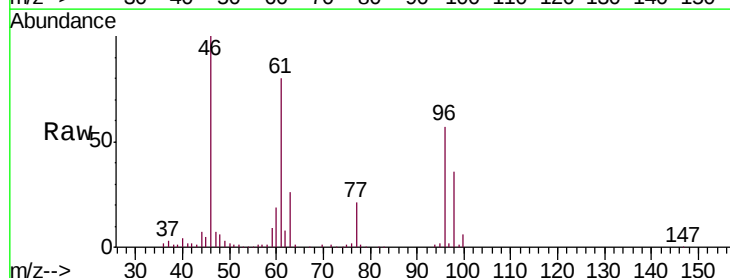
Instrument :
 MSVOA_V
 ClientSampleId :
 BFCM1

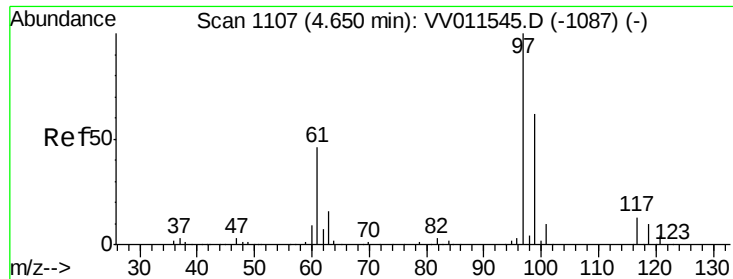
Tgt Ion: 63 Resp: 147972
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.5 41.9
 83 14.3 10.1 18.9



#22
 cis-1,2-Dichloroethene
 Concen: 5.780 ug/L
 RT: 3.95 min Scan# 890
 Delta R.T. -0.00 min
 Lab File: VV011559.D
 Acq: 17 Jun 2019 19:09

Tgt Ion: 96 Resp: 77379
 Ion Ratio Lower Upper
 96 100
 61 139.9 102.2 189.8
 68 0.0 0.0 0.0





#29

1,1,1-Trichloroethane

Concen: 1.586 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

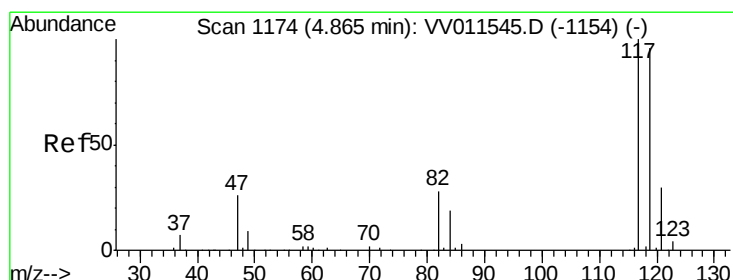
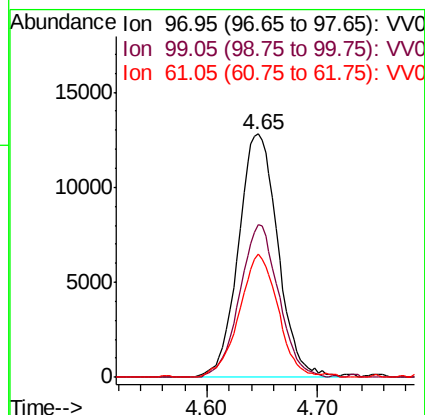
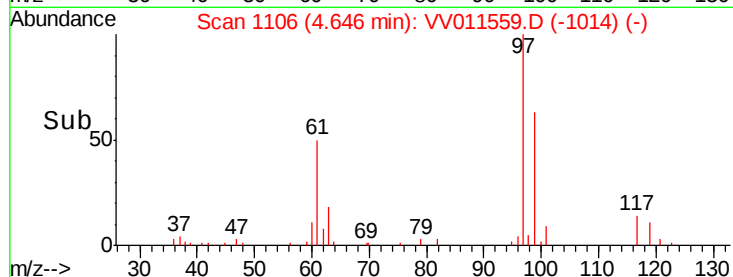
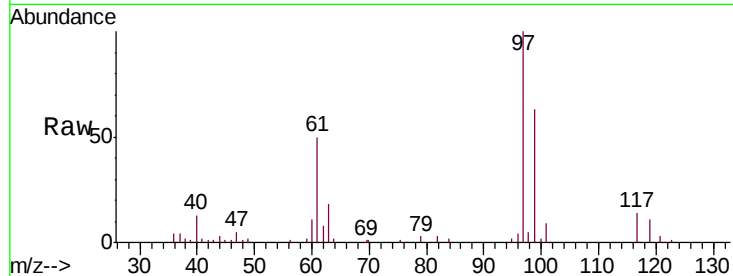
Lab File: VV011559.D

Acq: 17 Jun 2019 19:09

Instrument :
MSVOA_V
ClientSampleId :
BFCM1

Tgt Ion: 97 Resp: 31800

Ion	Ratio	Lower	Upper
97	100		
99	61.6	51.6	77.4
61	49.6	40.4	60.6



#31

Carbon tetrachloride

Concen: 0.245 ug/L

RT: 4.65 min Scan# 1106

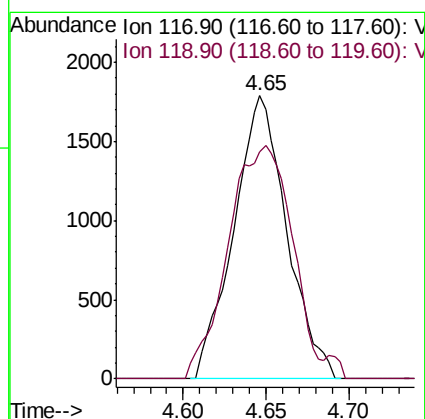
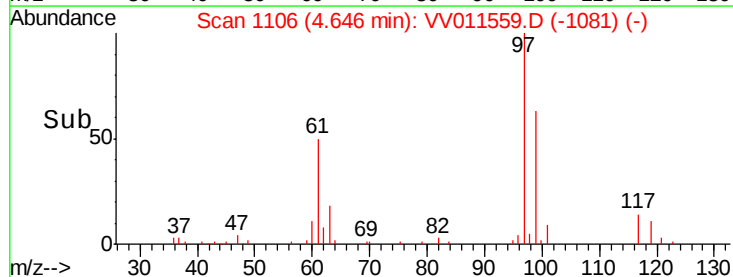
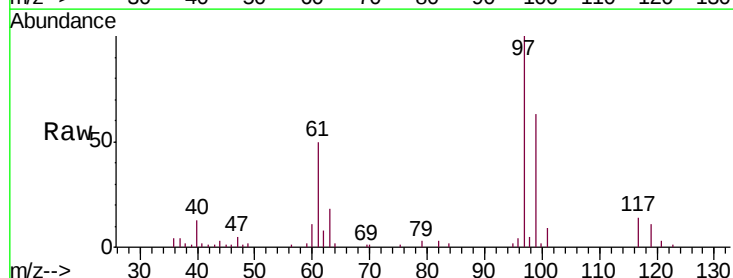
Delta R.T. -0.22 min

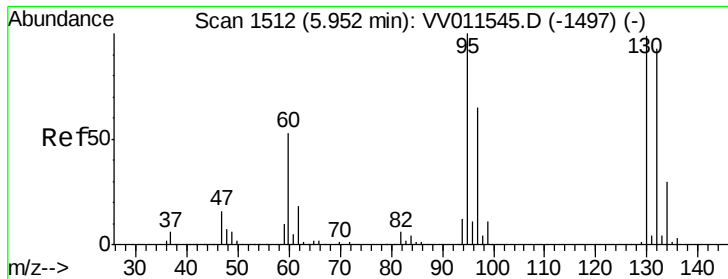
Lab File: VV011559.D

Acq: 17 Jun 2019 19:09

Tgt Ion: 117 Resp: 3977

Ion	Ratio	Lower	Upper
117	100		
119	99.0	77.4	116.2

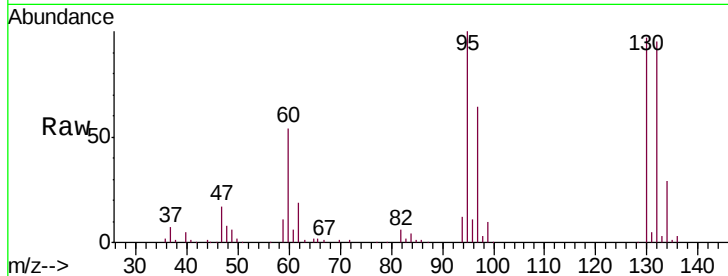




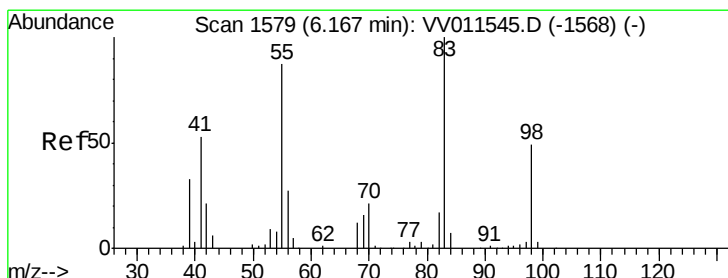
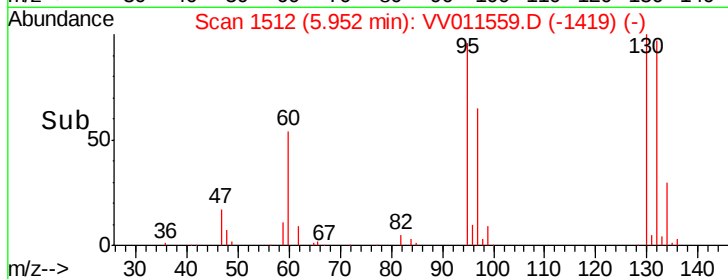
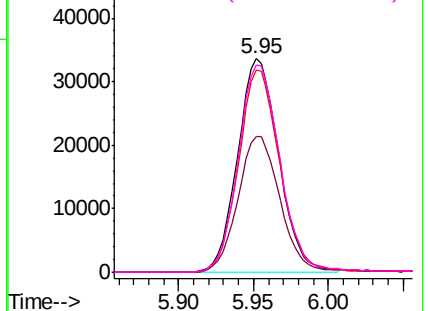
#34
 Trichloroethene
 Concen: 4.800 ug/L
 RT: 5.95 min Scan# 1512
 Delta R.T. -0.00 min
 Lab File: VV011559.D
 Acq: 17 Jun 2019 19:09

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCM1

Tgt Ion: 95 Resp: 64430
 Ion Ratio Lower Upper
 95 100
 97 63.7 44.4 82.4
 132 94.5 63.5 117.9
 130 97.1 68.5 127.3

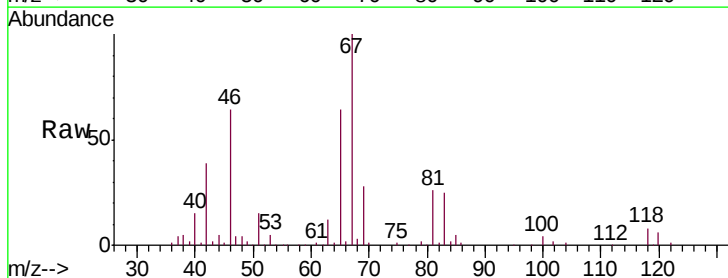


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

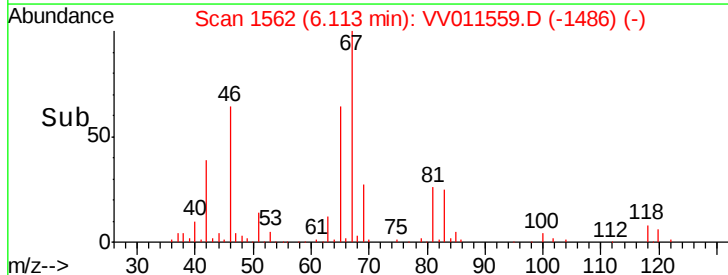
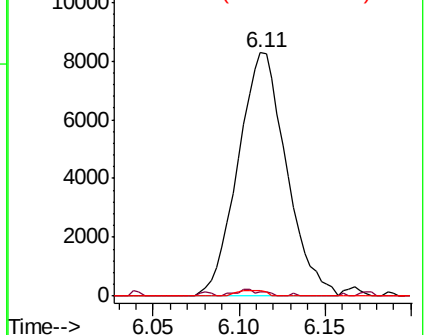


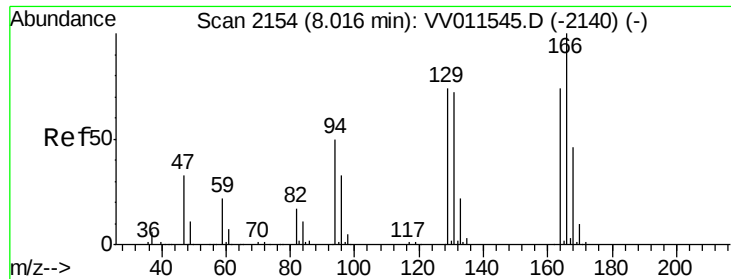
#35
 Methylcyclohexane
 Concen: 0.844 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.05 min
 Lab File: VV011559.D
 Acq: 17 Jun 2019 19:09

Tgt Ion: 83 Resp: 16149
 Ion Ratio Lower Upper
 83 100
 55 1.5 67.9 101.9#
 98 1.3 39.6 59.4#



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

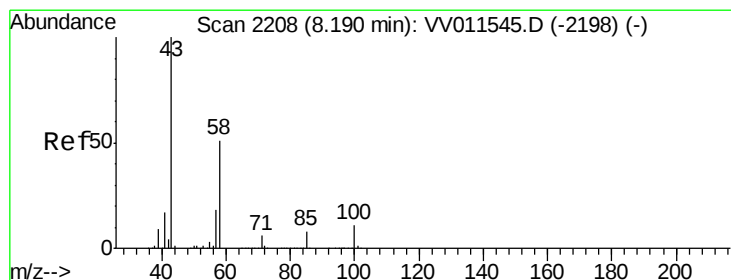
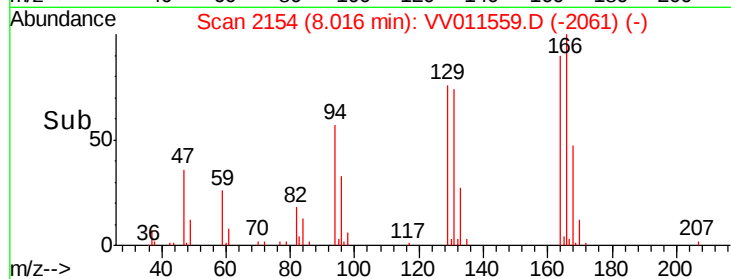
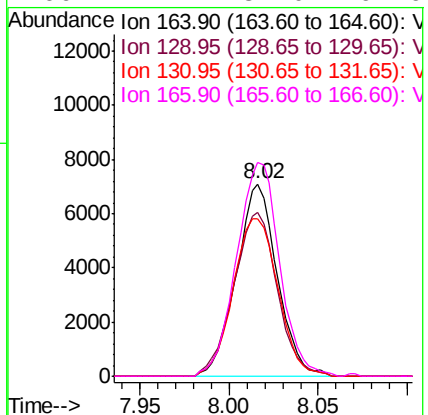
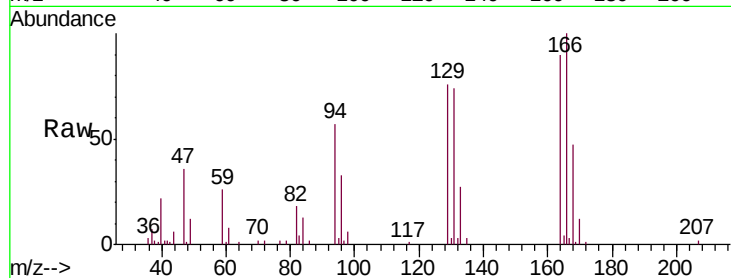




#47
Tetrachloroethene
Concen: 1.186 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV011559.D
Acq: 17 Jun 2019 19:09

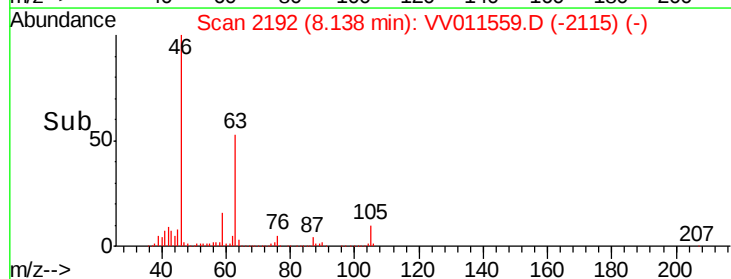
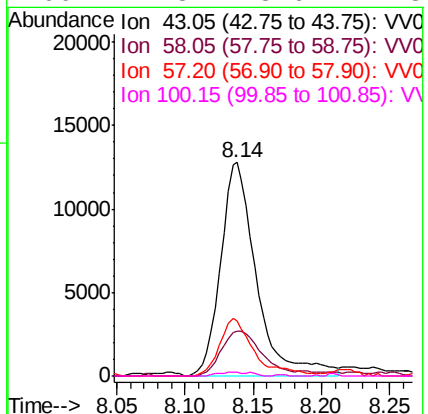
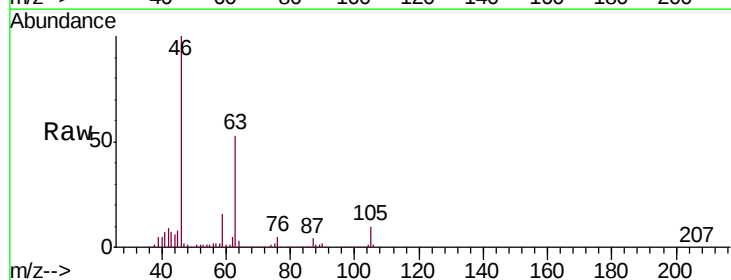
Instrument :
MSVOA_V
ClientSampleId :
BFCM1

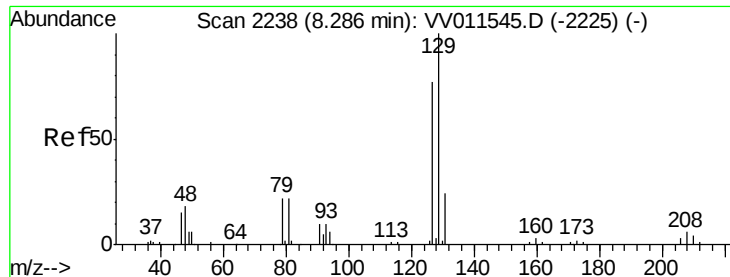
Tgt Ion:	164	Resp:	11356
Ion	Ratio	Lower	Upper
164	100		
129	85.0	68.8	127.8
131	82.0	63.2	117.4
166	111.2	87.0	161.6



#48
2-Hexanone
Concen: 3.333 ug/L
RT: 8.14 min Scan# 2192
Delta R.T. -0.05 min
Lab File: VV011559.D
Acq: 17 Jun 2019 19:09

Tgt Ion:	43	Resp:	23406
Ion	Ratio	Lower	Upper
43	100		
58	23.3	40.6	60.8#
57	25.8	14.2	21.4#
100	1.8	8.6	12.8#

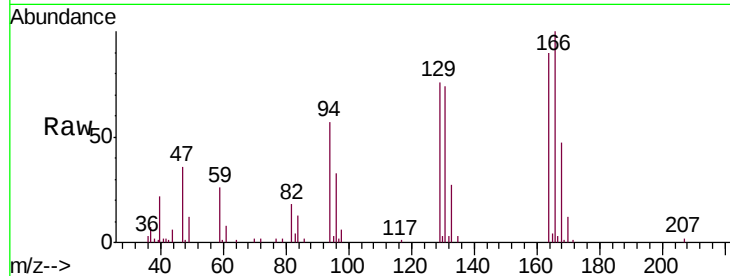




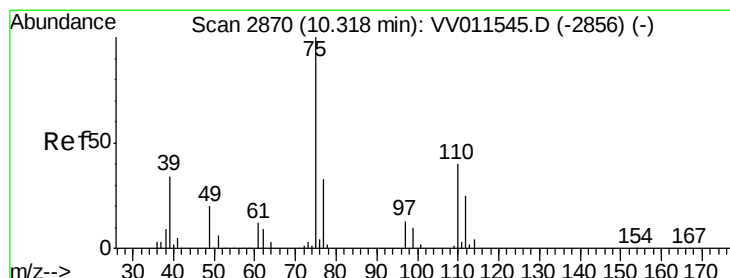
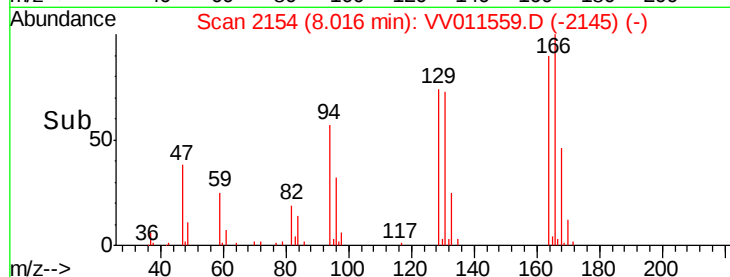
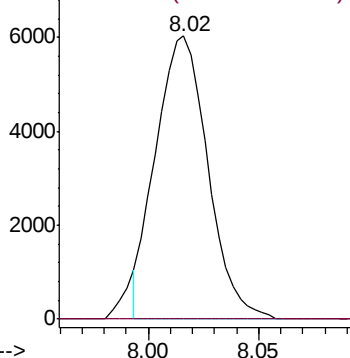
#49
 Dibromochloromethane
 Concen: 1.049 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.27 min
 Lab File: VV011559.D
 Acq: 17 Jun 2019 19:09

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCM1

Tgt Ion: 129 Resp: 9858
 Ion Ratio Lower Upper
 129 100
 127 0.0 52.6 97.6#

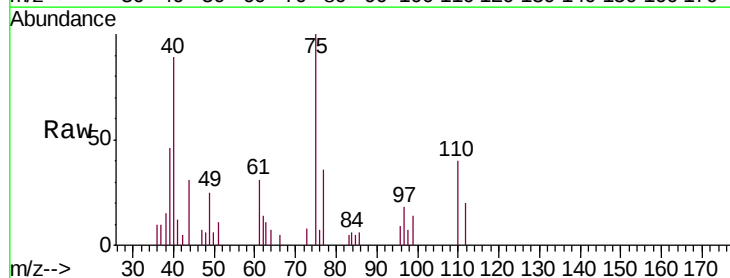


Abundance Ion 128.95 (128.65 to 129.65): V
 Ion 126.90 (126.60 to 127.60): V



#59
 1,2,3-Trichloropropane
 Concen: 0.406 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV011559.D
 Acq: 17 Jun 2019 19:09

Tgt Ion: 75 Resp: 3554
 Ion Ratio Lower Upper
 75 100
 77 37.7 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 77.00 (76.70 to 77.70): VV0

