

Data File : VV010616.D
Acq On : 01 May 2019 20:42
Operator : SY/MD
Sample : K2590-15 10X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0XC2

Quant Time: May 02 08:24:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 02 08:18:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	74146	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	74668	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	30395	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	22401	5.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.80%
7) Chloroethane-d5	1.57	69	10330	3.68	ug/L	-0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.60%
11) 1,1-Dichloroethene-d2	2.12	63	32110	3.70	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.00%
20) 2-Butanone-d5	3.95	46	56984	55.68	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.36%
24) Chloroform-d	4.40	84	49443	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
26) 1,2-Dichloroethane-d4	5.08	65	24923	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
32) Benzene-d6	5.10	84	99686	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
36) 1,2-Dichloropropane-d6	6.12	67	30855	5.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.80%
41) Toluene-d8	7.36	98	88579	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	7.67	79	9878	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
46) 2-Hexanone-d5	8.14	63	50390	61.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.96%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	20439	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	30179	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

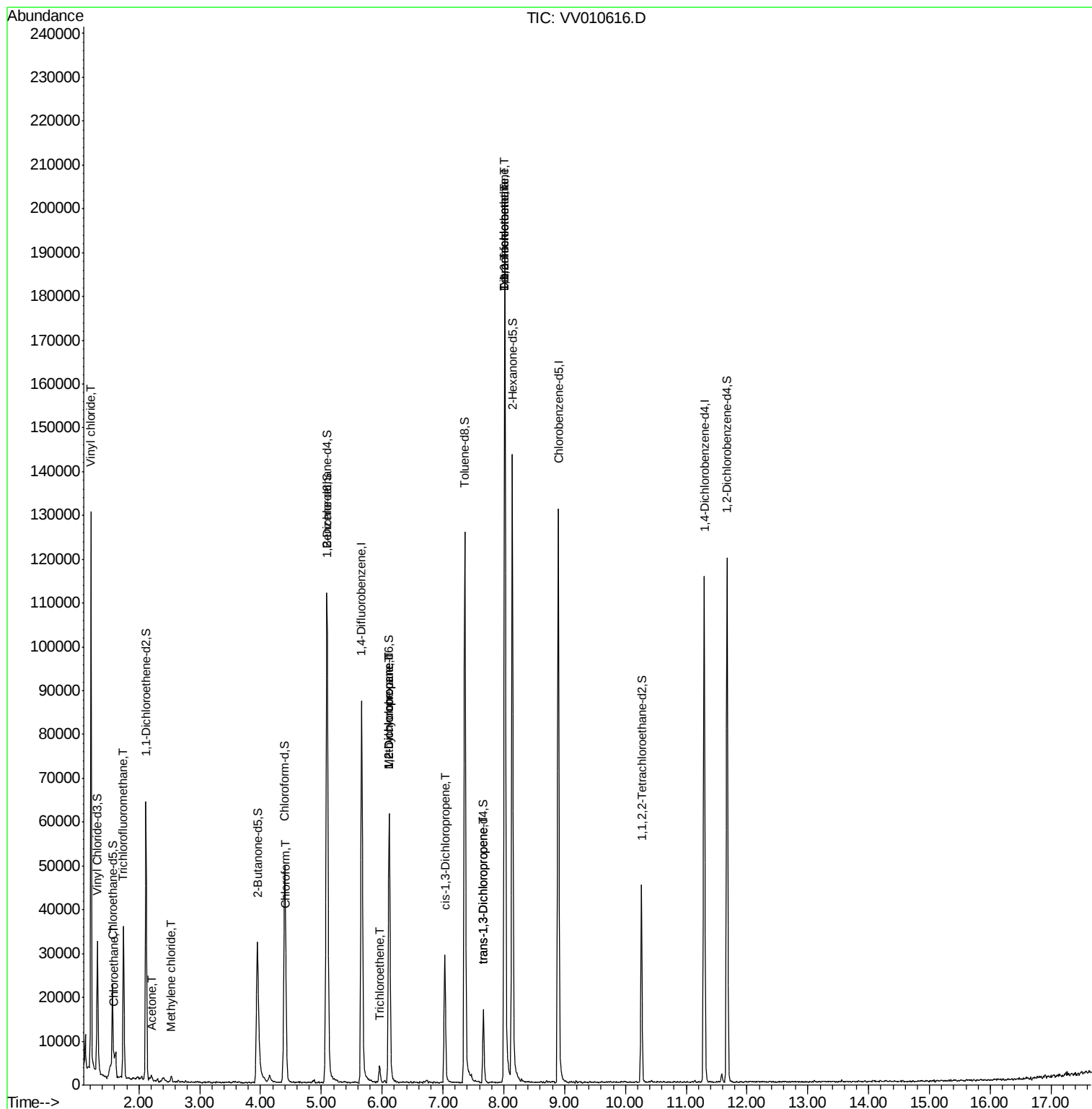
					Qvalue
5) Vinyl chloride	1.21	62	861	0.149 ug/L #	73
8) Chloroethane	1.60	64	242	0.095 ug/L #	41
9) Trichlorofluoromethane	1.75	101	20221	2.183 ug/L	96
13) Acetone	2.20	43	1458	2.399 ug/L	97
16) Methylene chloride	2.53	84	698	0.132 ug/L #	73
25) Chloroform	4.42	83	1039	0.105 ug/L	97
34) Trichloroethene	5.96	95	1216	0.210 ug/L	84
35) Methylcyclohexane	6.12	83	7272	0.866 ug/L #	17
37) 1,2-Dichloropropane	6.12	63	3326	0.662 ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	735	0.108 ug/L	98
44) trans-1,3-Dichloropropene	7.66	75	489	0.092 ug/L #	45
45) 1,1,2-Trichloroethane	8.02	97	302	0.085 ug/L #	1
47) Tetrachloroethene	8.02	164	45902	10.039 ug/L	98
49) Dibromochloromethane	8.02	129	42206	10.146 ug/L #	11

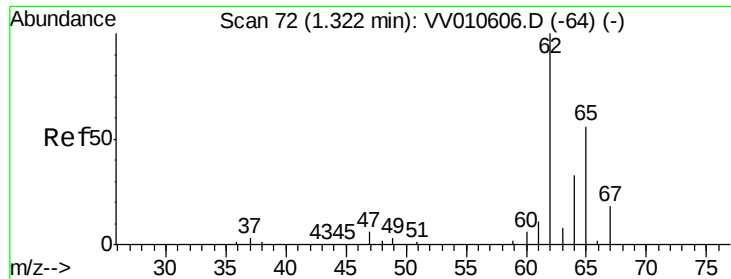
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.149 ug/L

RT: 1.21 min Scan# 38

Delta R.T. -0.11 min

Lab File: VV010616.D

Acq: 01 May 2019 20:42

Instrument :

MSVOA_V

ClientSampleId :

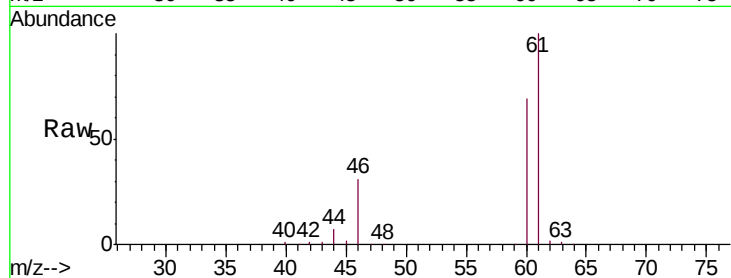
C0XC2

Tgt Ion: 62 Resp: 861

Ion Ratio Lower Upper

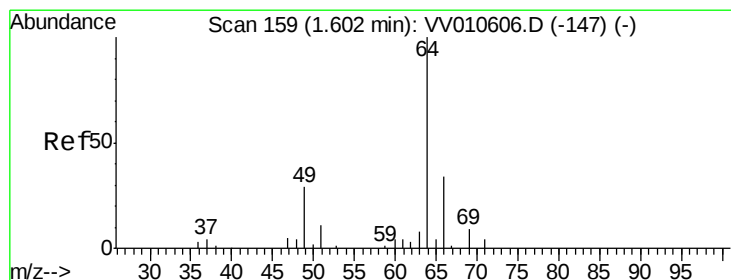
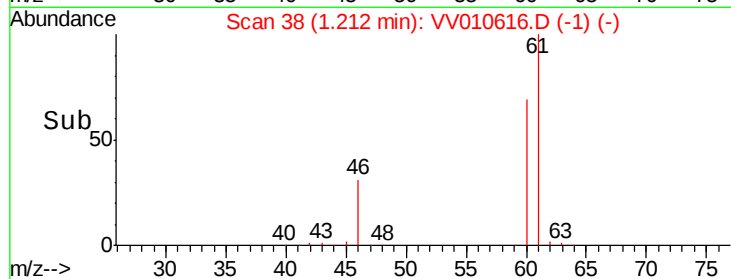
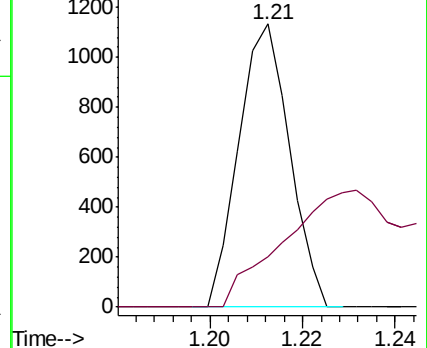
62 100

64 17.7 23.1 42.9#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#8

Chloroethane

Concen: 0.095 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.01 min

Lab File: VV010616.D

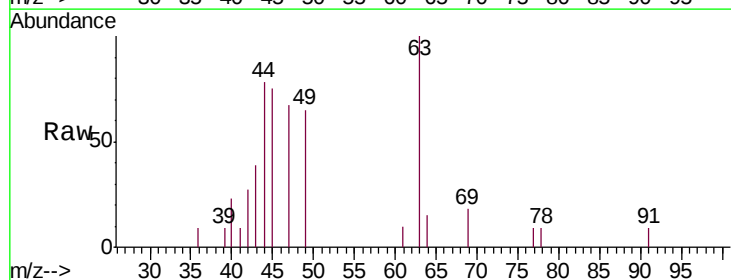
Acq: 01 May 2019 20:42

Tgt Ion: 64 Resp: 242

Ion Ratio Lower Upper

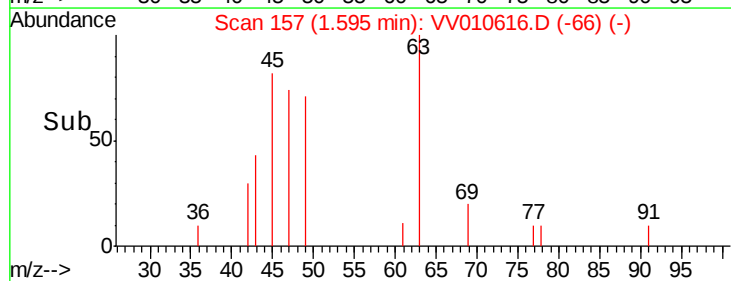
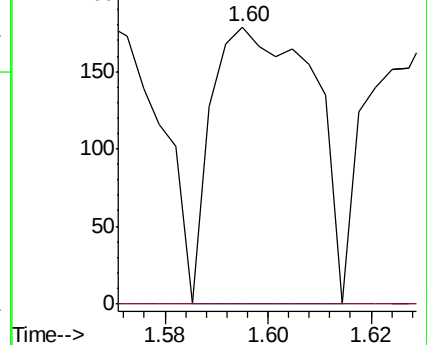
64 100

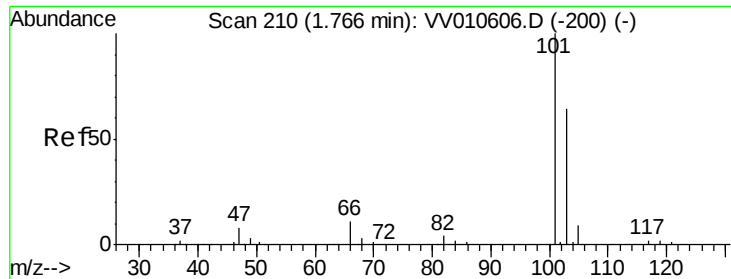
66 0.0 23.8 44.2#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#9

Trichlorofluoromethane

Concen: 2.183 ug/L

RT: 1.75 min Scan# 204

Delta R.T. -0.02 min

Lab File: VV010616.D

Acq: 01 May 2019 20:42

Instrument :

MSVOA_V

ClientSampleId :

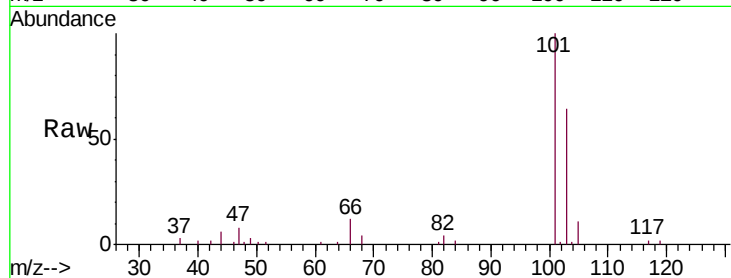
C0XC2

Tgt Ion: 101 Resp: 20221

Ion Ratio Lower Upper

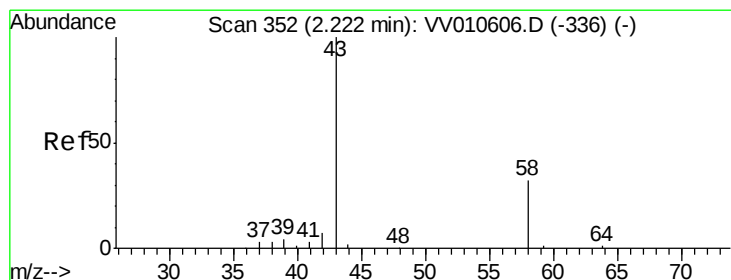
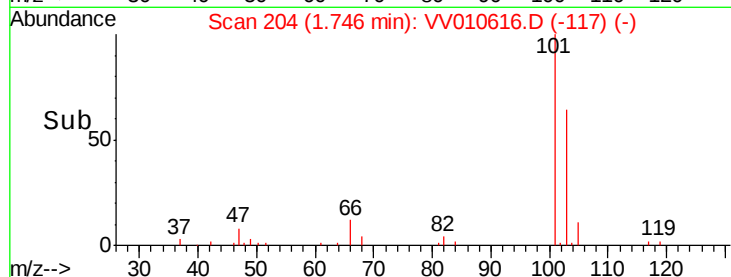
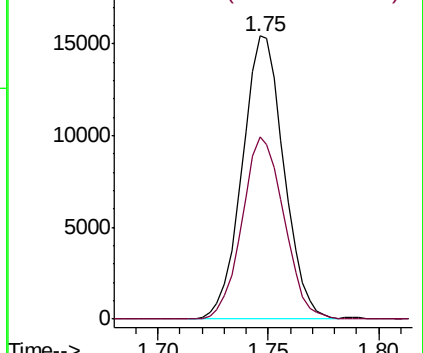
101 100

103 64.7 49.5 74.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Acetone

Concen: 2.399 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.02 min

Lab File: VV010616.D

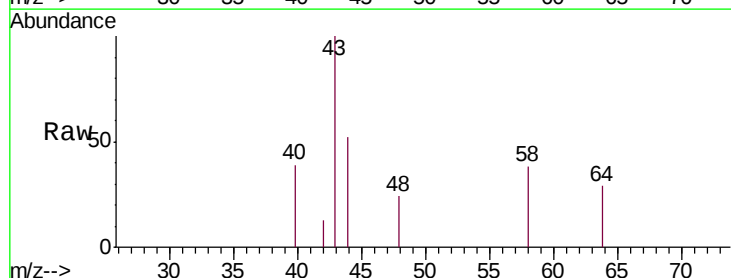
Acq: 01 May 2019 20:42

Tgt Ion: 43 Resp: 1458

Ion Ratio Lower Upper

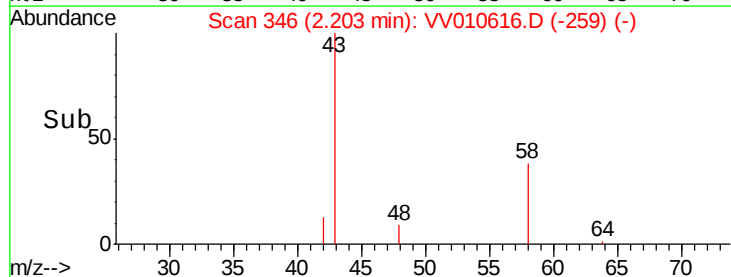
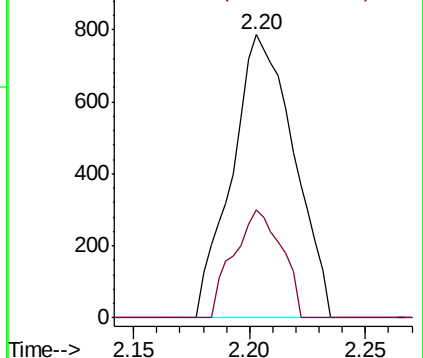
43 100

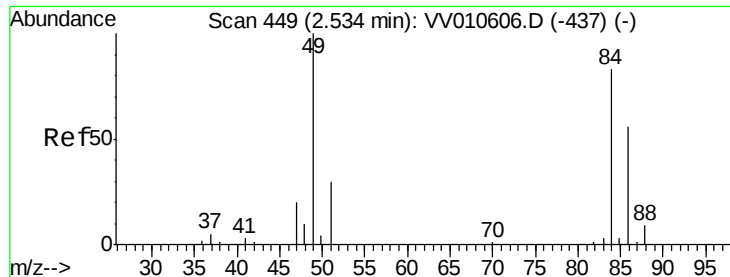
58 29.6 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

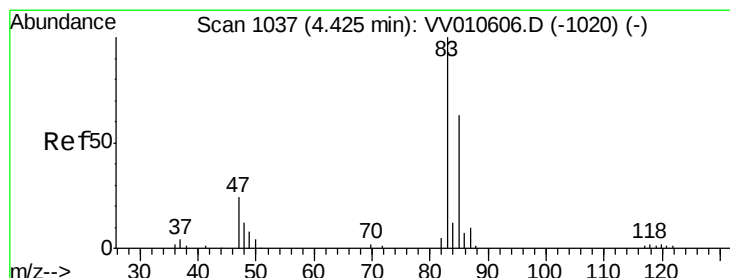
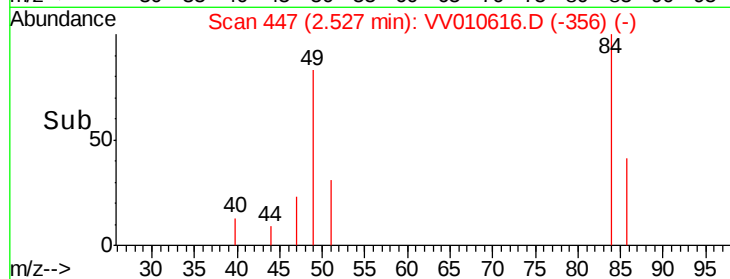
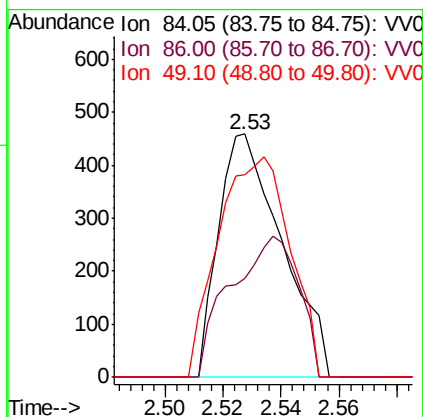
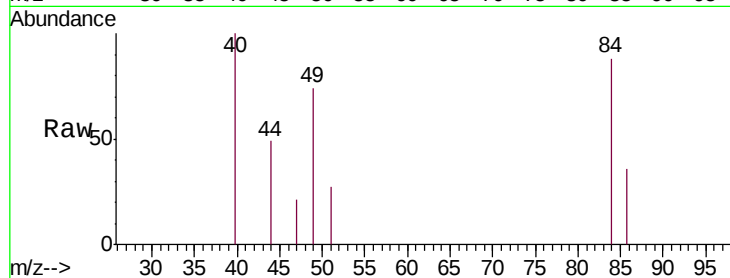




#16
Methylene chloride
Concen: 0.132 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.01 min
Lab File: VV010616.D
Acq: 01 May 2019 20:42

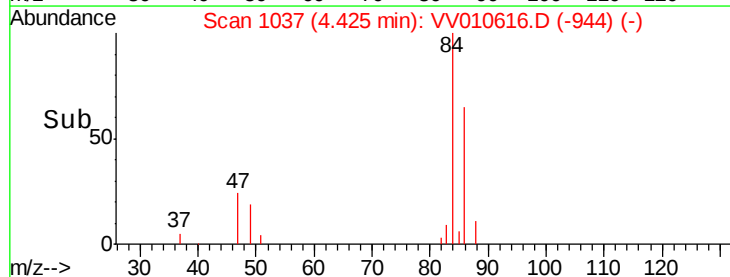
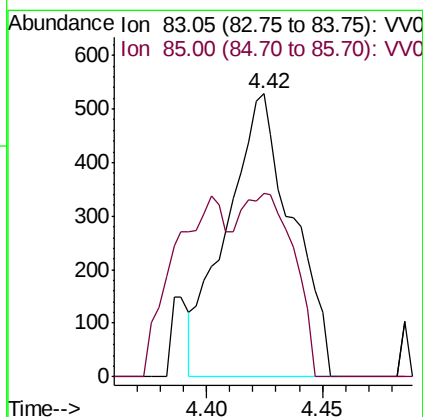
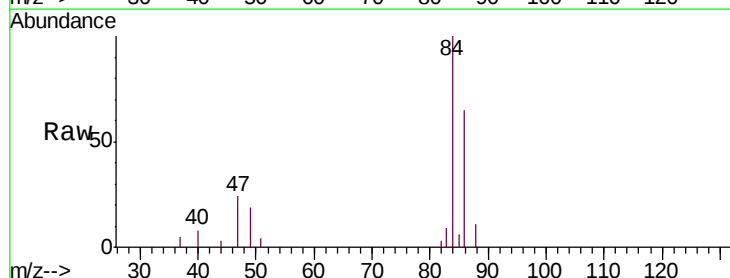
Instrument :
MSVOA_V
ClientSampleId :
C0XC2

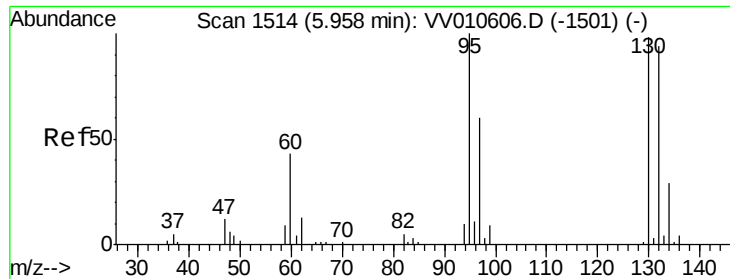
Tgt Ion: 84 Resp: 698
Ion Ratio Lower Upper
84 100
86 40.5 44.2 82.0#
49 83.4 77.8 144.6



#25
Chloroform
Concen: 0.105 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV010616.D
Acq: 01 May 2019 20:42

Tgt Ion: 83 Resp: 1039
Ion Ratio Lower Upper
83 100
85 64.8 43.7 81.1





#34

Trichloroethene

Concen: 0.210 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.01 min

Lab File: VV010616.D

Acq: 01 May 2019 20:42

Instrument :

MSVOA_V

ClientSampled :

C0XC2

Tgt Ion: 95 Resp: 1216

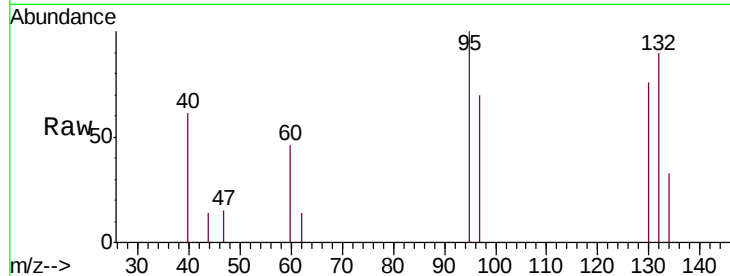
Ion Ratio Lower Upper

95 100

97 70.3 42.4 78.6

132 89.9 69.3 128.7

130 76.5 70.3 130.7

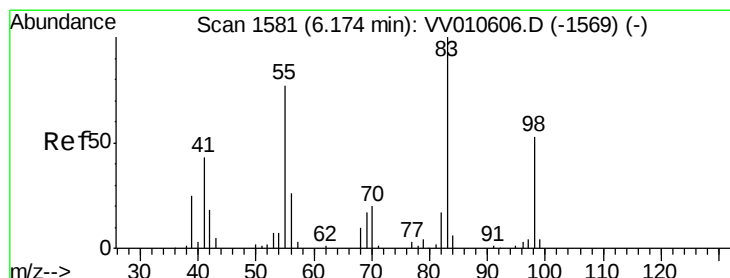
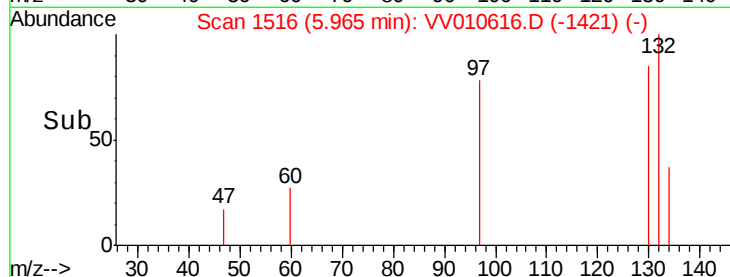
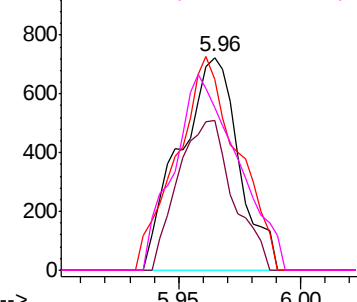


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.866 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV010616.D

Acq: 01 May 2019 20:42

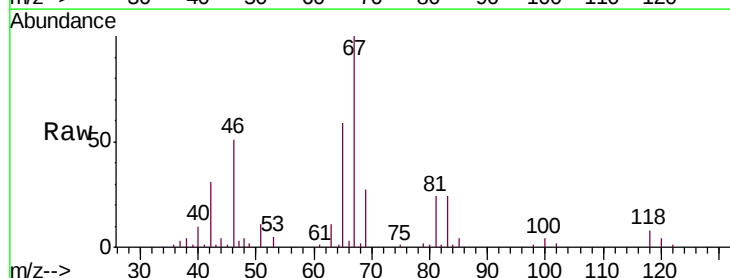
Tgt Ion: 83 Resp: 7272

Ion Ratio Lower Upper

83 100

55 0.0 63.4 95.0#

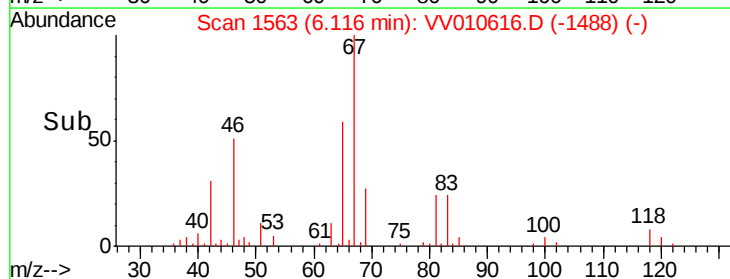
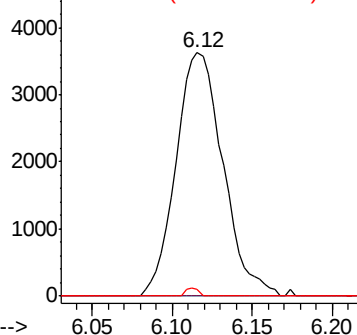
98 0.8 38.7 58.1#

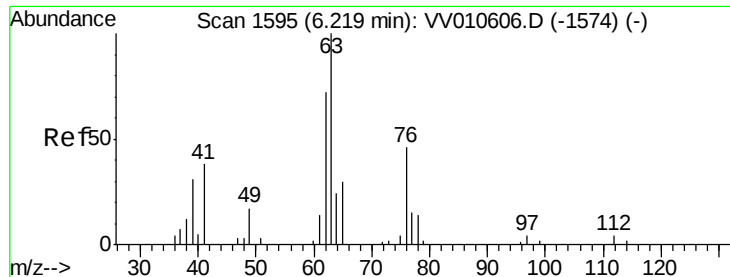


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

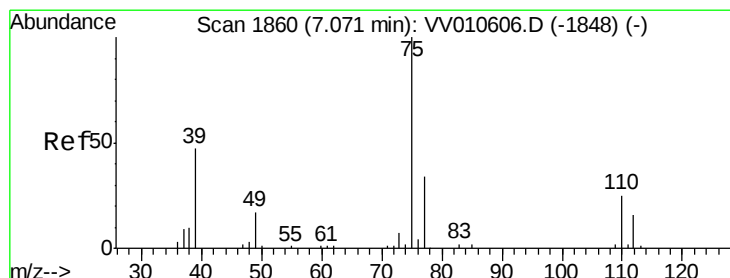
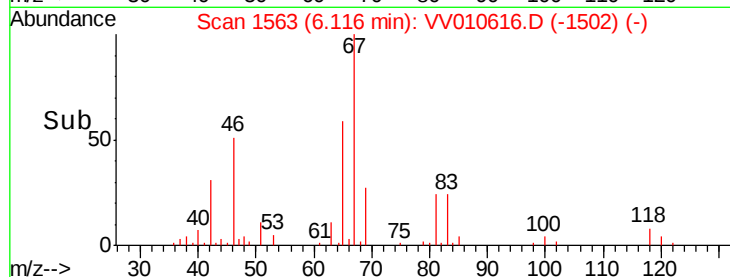
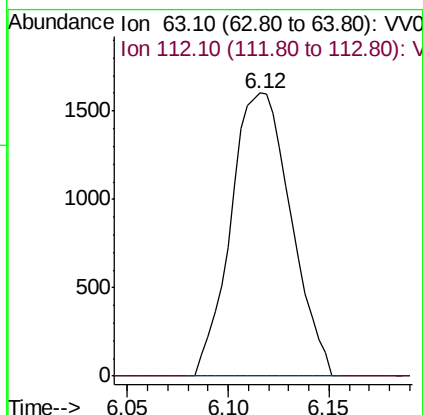
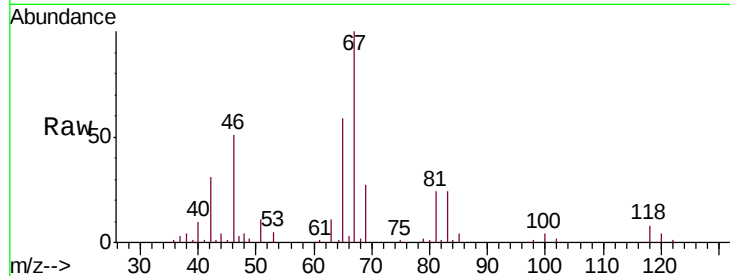




#37
 1,2-Dichloropropane
 Concen: 0.662 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV010616.D
 Acq: 01 May 2019 20:42

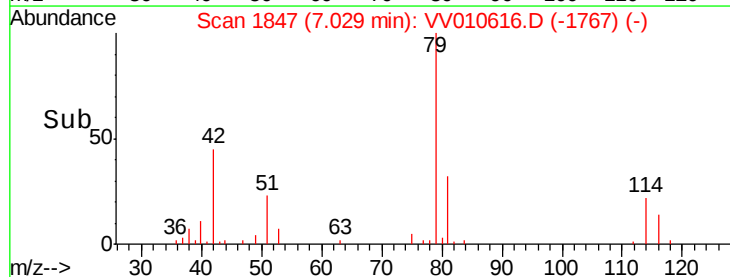
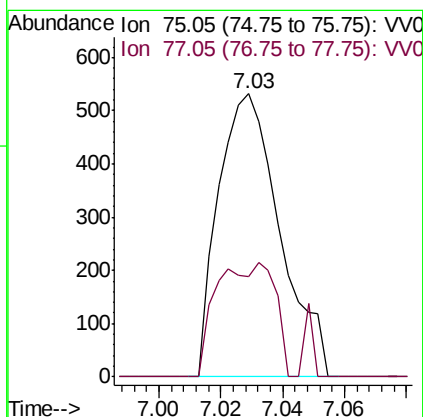
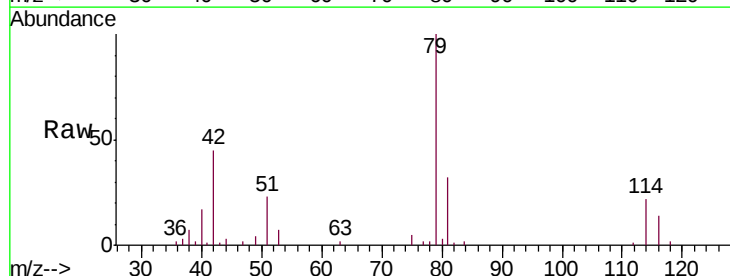
Instrument :
 MSVOA_V
 ClientSampleId :
 C0XC2

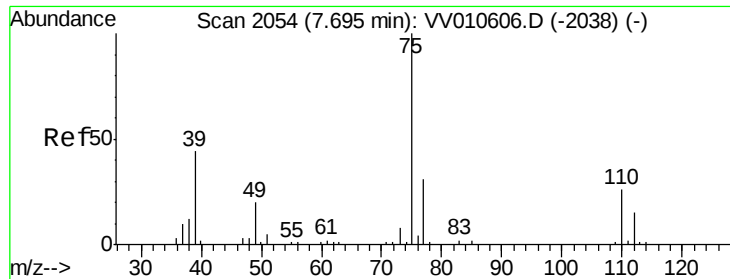
Tgt Ion: 63 Resp: 3326
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.108 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV010616.D
 Acq: 01 May 2019 20:42

Tgt Ion: 75 Resp: 735
 Ion Ratio Lower Upper
 75 100
 77 35.3 23.9 44.3





#44

trans-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV010616.D

Acq: 01 May 2019 20:42

Instrument :

MSVOA_V

ClientSampleId :

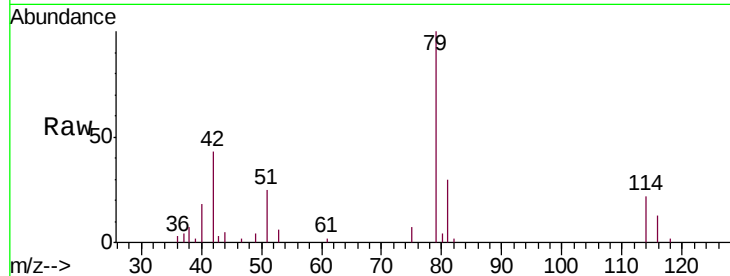
C0XC2

Tgt Ion: 75 Resp: 489

Ion Ratio Lower Upper

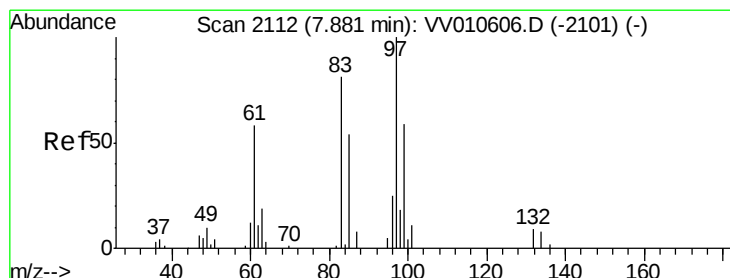
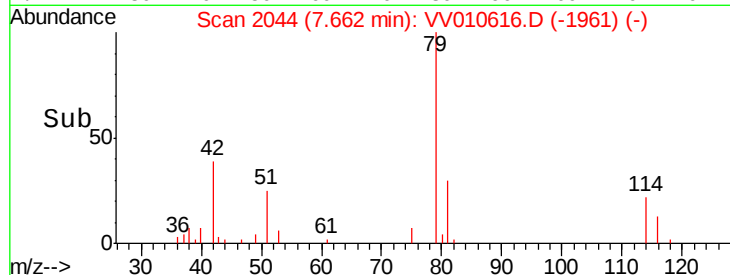
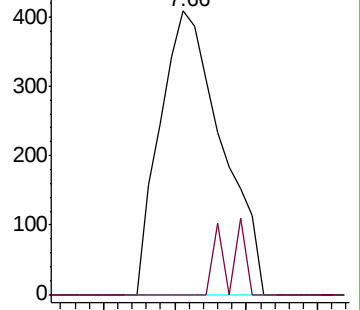
75 100

77 0.0 21.1 39.1#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#45

1,1,2-Trichloroethane

Concen: 0.085 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.14 min

Lab File: VV010616.D

Acq: 01 May 2019 20:42

Tgt Ion: 97 Resp: 302

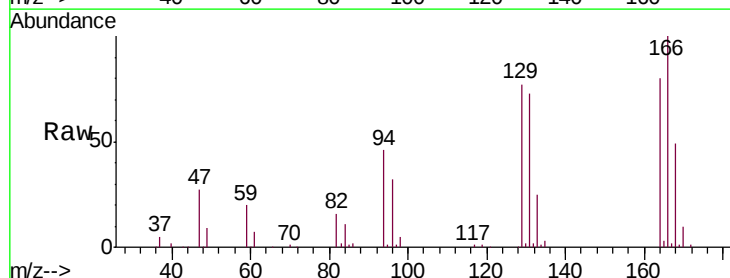
Ion Ratio Lower Upper

97 100

99 0.0 47.1 87.5#

83 260.3 65.9 122.5#

85 108.0 43.2 80.2#

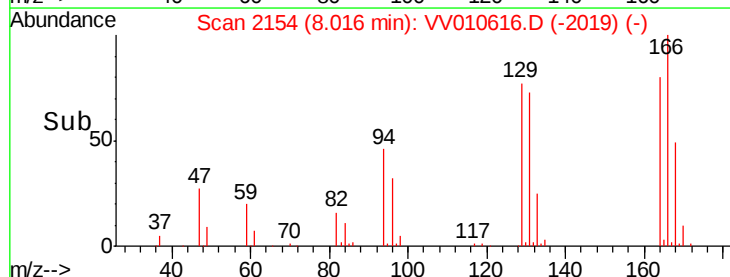
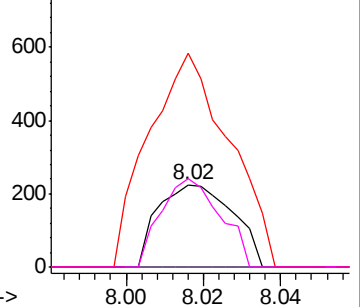


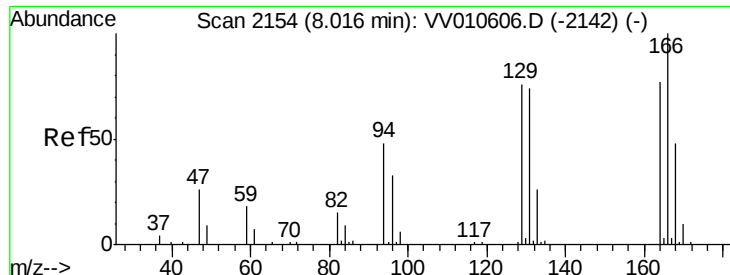
Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

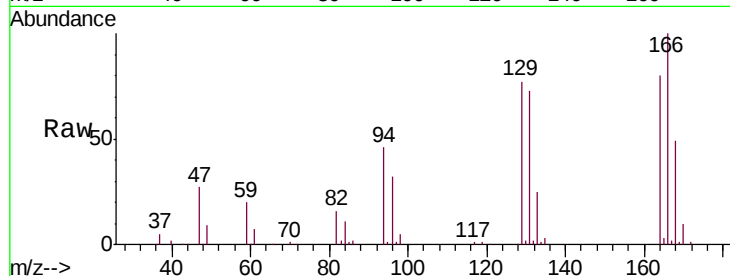




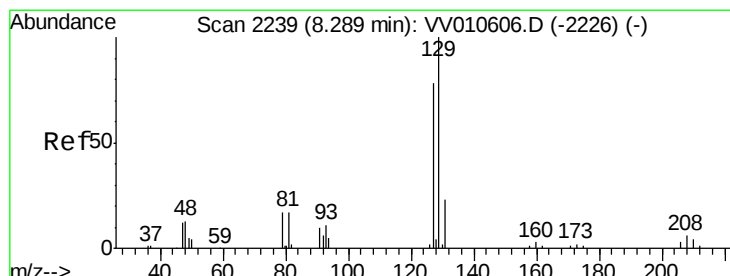
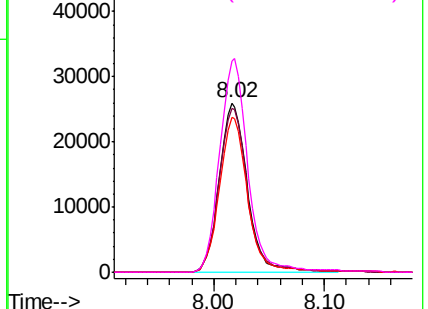
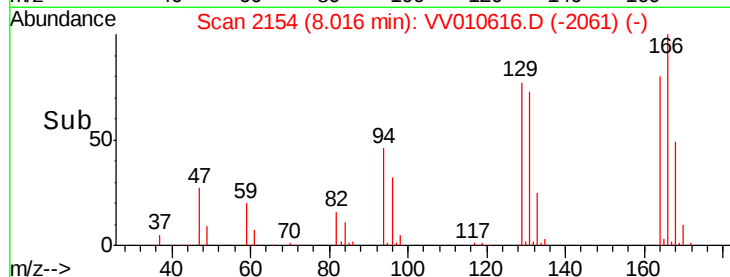
#47
Tetrachloroethene
Concen: 10.039 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV010616.D
Acq: 01 May 2019 20:42

Instrument :
MSVOA_V
ClientSampleId :
C0XC2

Tgt Ion:164 Resp: 45902
Ion Ratio Lower Upper
164 100
129 96.9 69.9 129.7
131 91.3 65.6 121.8
166 125.2 88.9 165.1

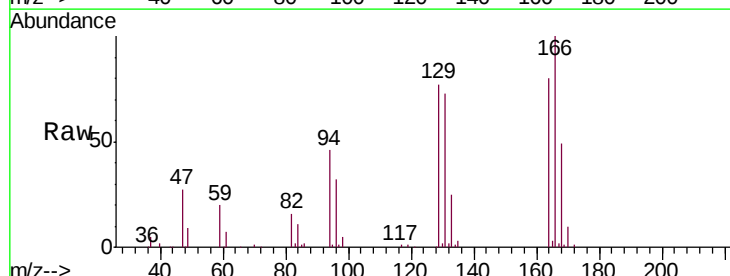


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V



#49
Dibromochloromethane
Concen: 10.146 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV010616.D
Acq: 01 May 2019 20:42

Tgt Ion:129 Resp: 42206
Ion Ratio Lower Upper
129 100
127 0.0 53.7 99.7#



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

