

Data File : VV011491.D
Acq On : 14 Jun 2019 06:47
Operator : SY/MD
Sample : K3313-16
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COM07

Quant Time: Jun 14 07:18:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 14 06:06:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	132648	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	116100	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	42511	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	50088	4.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.60%
7) Chloroethane-d5	1.58	69	39431	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.40%
11) 1,1-Dichloroethene-d2	2.13	63	112168	5.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	111.80%
20) 2-Butanone-d5	3.97	46	113851	50.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.62%
24) Chloroform-d	4.40	84	87989	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.08	65	52101	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.00%
32) Benzene-d6	5.10	84	182664	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
36) 1,2-Dichloropropane-d6	6.12	67	55794	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	7.36	98	157451	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
43) trans-1,3-Dichloropropene-	7.67	79	14659	3.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.80%
46) 2-Hexanone-d5	8.14	63	88732	51.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.00%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	35941	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	45243	5.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.80%

Target Compounds

						Qvalue
3) Chloromethane	1.25	50	3028	0.239	ug/L	93
8) Chloroethane	1.60	64	1668	0.214	ug/L #	62
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1366	0.159	ug/L #	44
12) 1,1-Dichloroethene	2.14	96	51802	6.198	ug/L	97
19) 1,1-Dichloroethane	3.23	63	4943	0.268	ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	62204	6.003	ug/L	91
29) 1,1,1-Trichloroethane	4.66	97	39051	2.637	ug/L	97
31) Carbon tetrachloride	4.65	117	4676	0.378	ug/L	93
34) Trichloroethene	5.96	95	805425	84.392	ug/L	97
35) Methylcyclohexane	6.12	83	14292	0.906	ug/L #	16
37) 1,2-Dichloropropane	6.12	63	7160	0.779	ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	1568	0.117	ug/L #	67
45) 1,1,2-Trichloroethane	7.89	97	631	0.107	ug/L #	66
48) 2-Hexanone	8.14	43	13631	3.338	ug/L #	73

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

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```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
C0M07

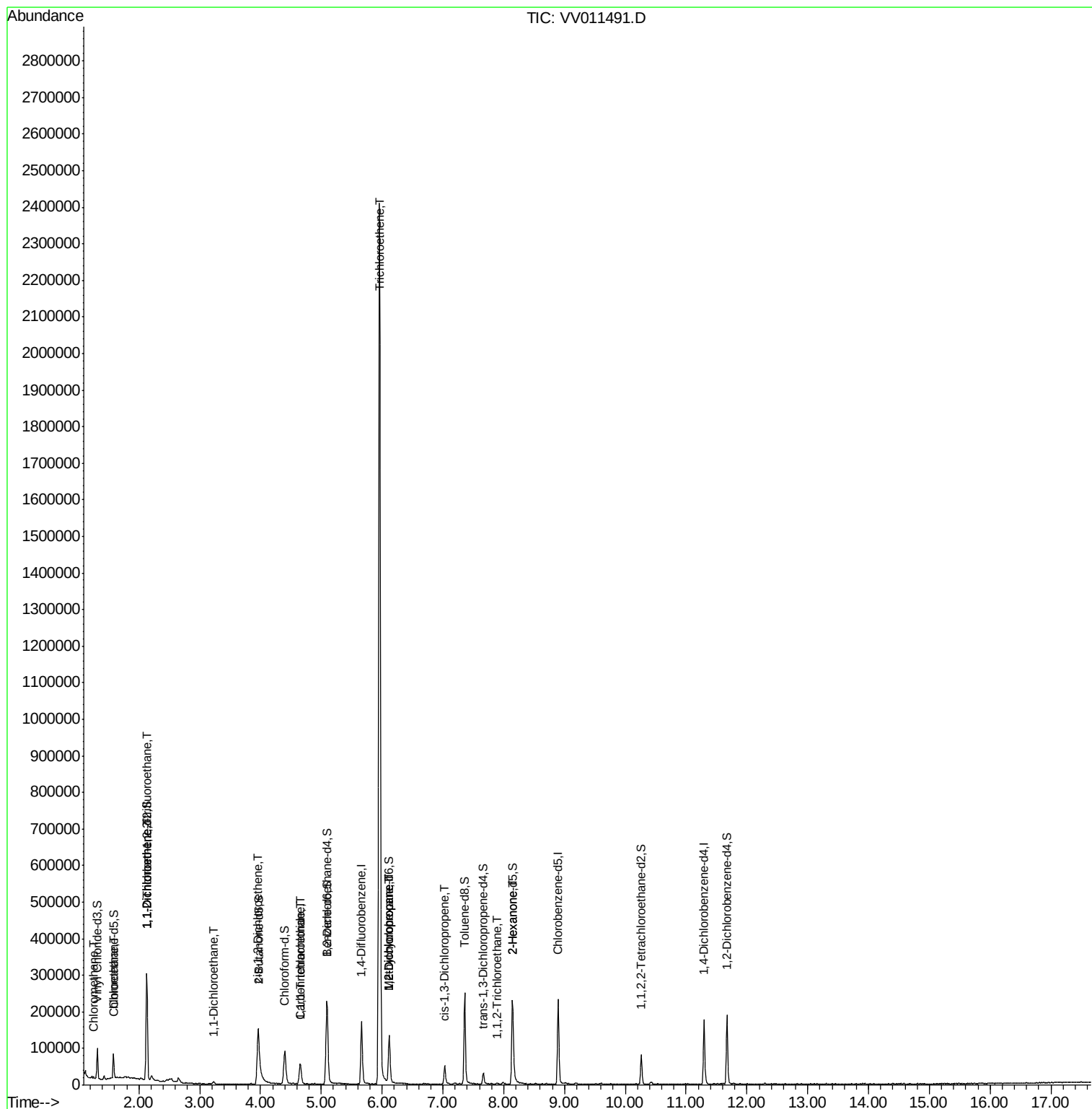
Quant Time: Jun 14 07:18:49 2019

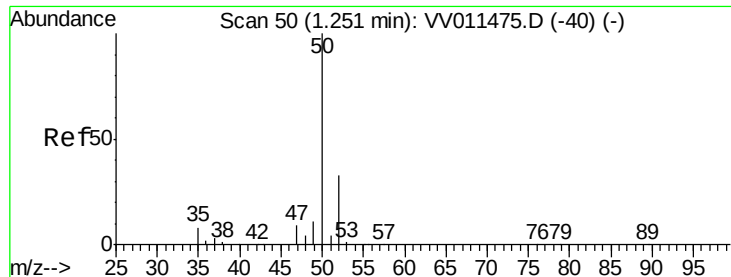
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Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Jun 14 06:06:48 2019

Response via : Initial Calibration





#3

Chloromethane

Concen: 0.239 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV011491.D

Acq: 14 Jun 2019 06:47

Instrument :

MSVOA_V

ClientSampleId :

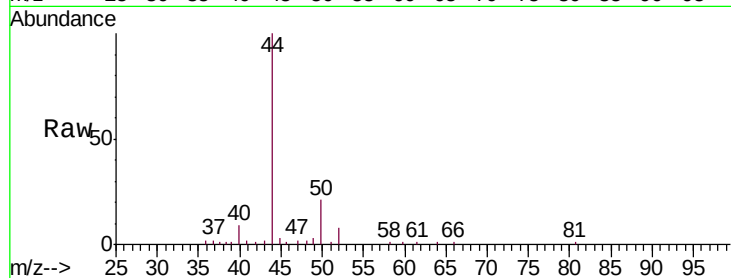
COM07

Tgt Ion: 50 Resp: 3028

Ion Ratio Lower Upper

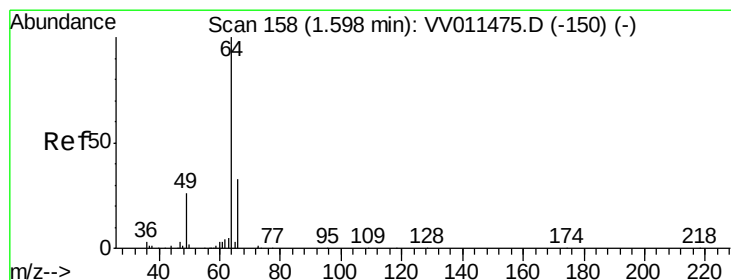
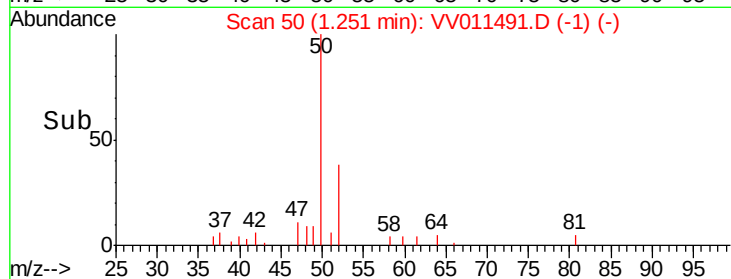
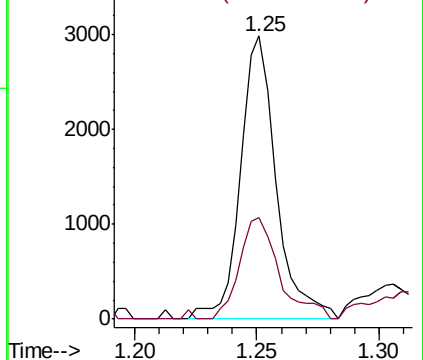
50 100

52 36.0 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#8

Chloroethane

Concen: 0.214 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV011491.D

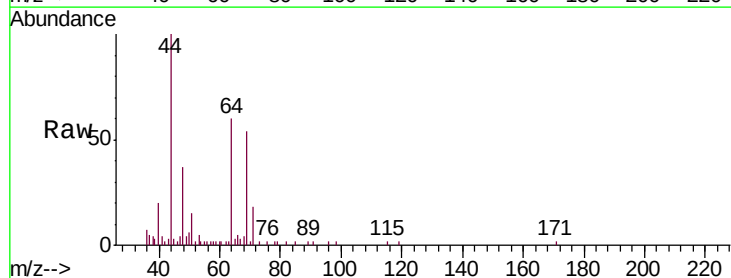
Acq: 14 Jun 2019 06:47

Tgt Ion: 64 Resp: 1668

Ion Ratio Lower Upper

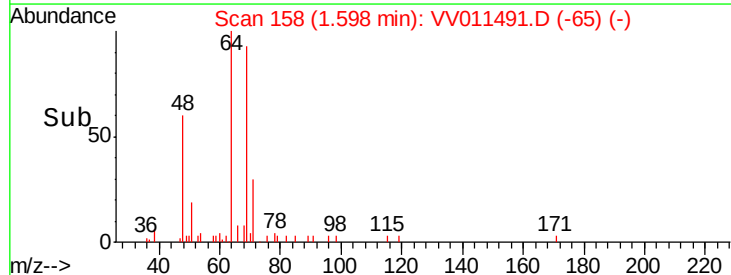
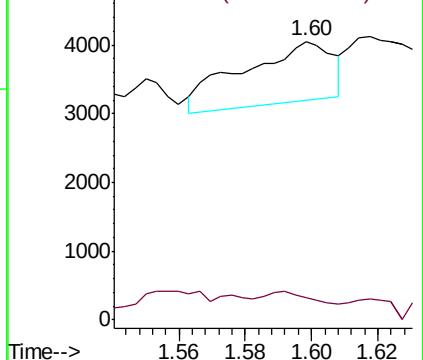
64 100

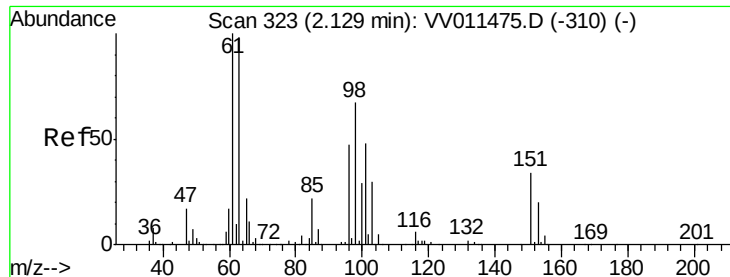
66 7.9 19.4 36.0#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#10

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

Concen: 0.159 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV011491.D

Acq: 14 Jun 2019 06:47

Instrument :

MSVOA_V

ClientSampled :

COM07

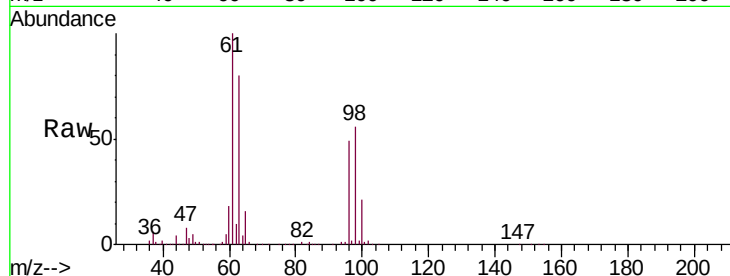
Tgt Ion: 101 Resp: 1366

Ion Ratio Lower Upper

101 100

85 11.1 35.5 53.3#

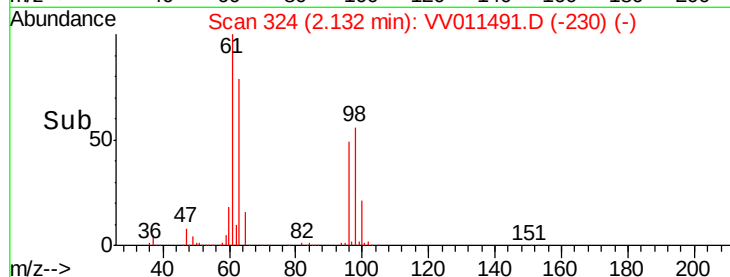
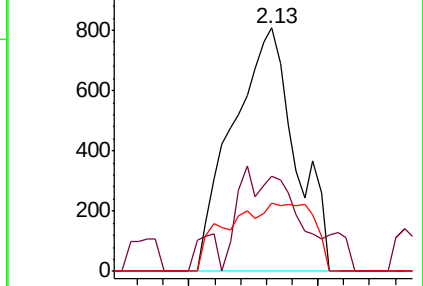
151 22.6 56.9 85.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 6.198 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV011491.D

Acq: 14 Jun 2019 06:47

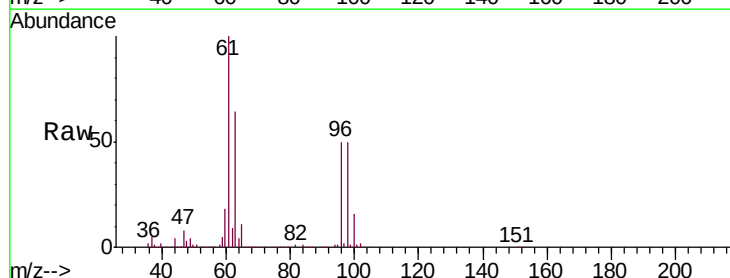
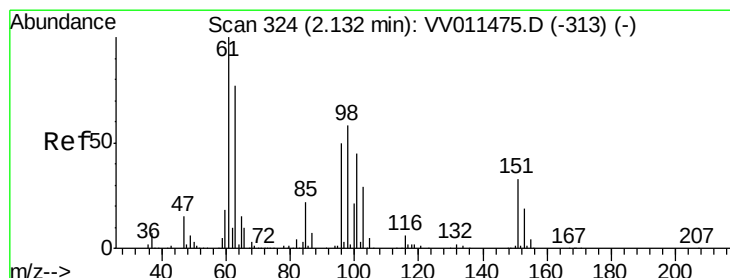
Tgt Ion: 96 Resp: 51802

Ion Ratio Lower Upper

96 100

61 199.1 139.8 259.6

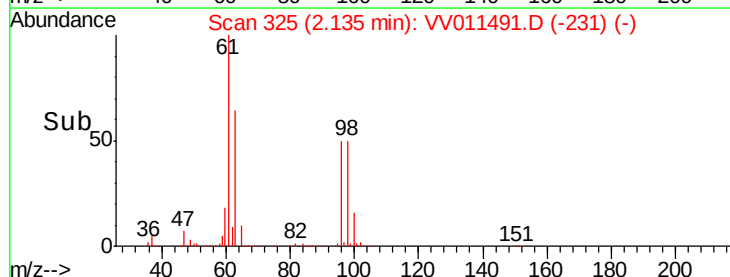
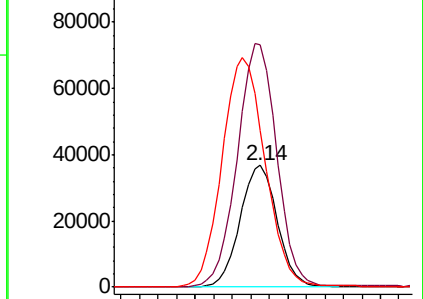
63 127.9 94.3 175.1

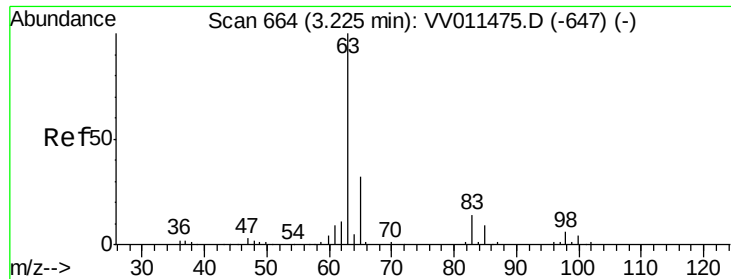


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

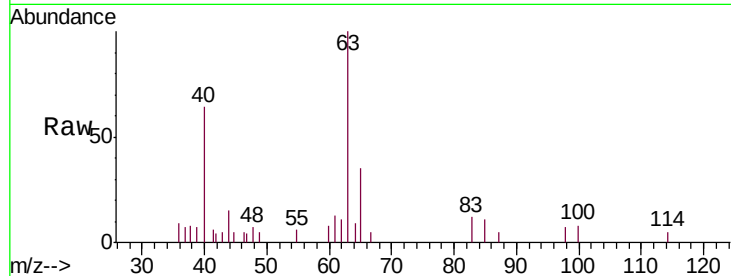




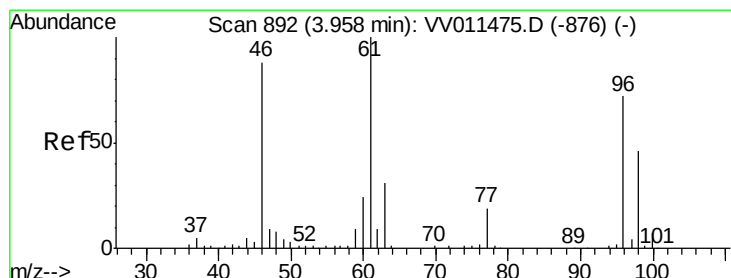
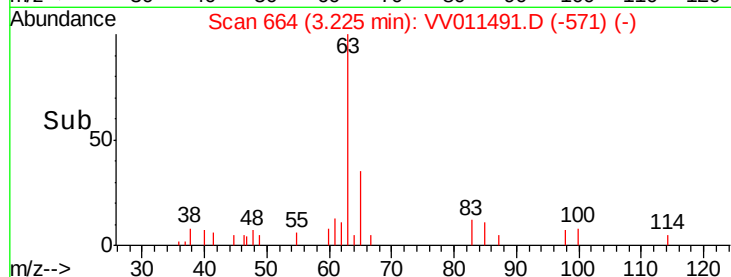
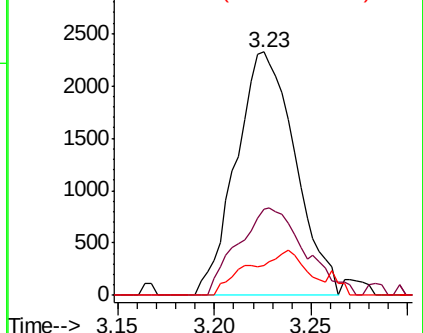
#19
 1,1-Dichloroethane
 Concen: 0.268 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV011491.D
 Acq: 14 Jun 2019 06:47

Instrument :
 MSVOA_V
 ClientSampled :
 COM07

Tgt Ion: 63 Resp: 4943
 Ion Ratio Lower Upper
 63 100
 65 35.4 22.1 41.1
 83 12.3 9.2 17.0

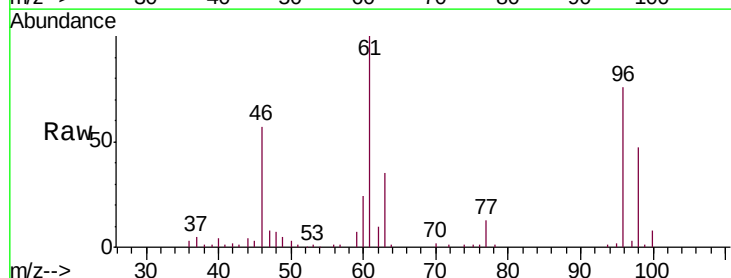


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

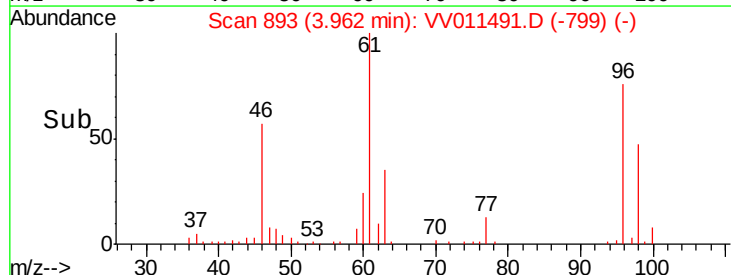
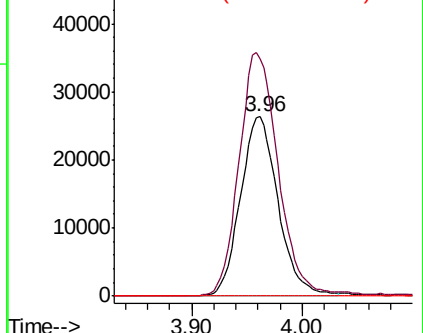


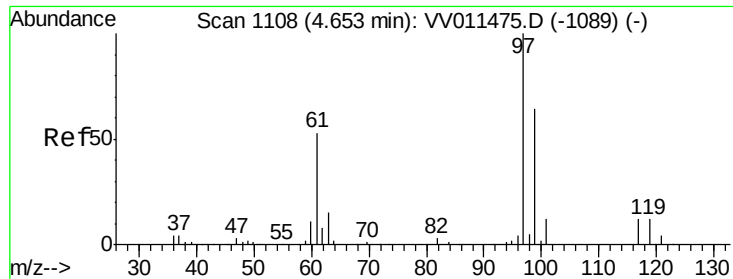
#22
 cis-1,2-Dichloroethene
 Concen: 6.003 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV011491.D
 Acq: 14 Jun 2019 06:47

Tgt Ion: 96 Resp: 62204
 Ion Ratio Lower Upper
 96 100
 61 132.4 100.8 187.2
 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

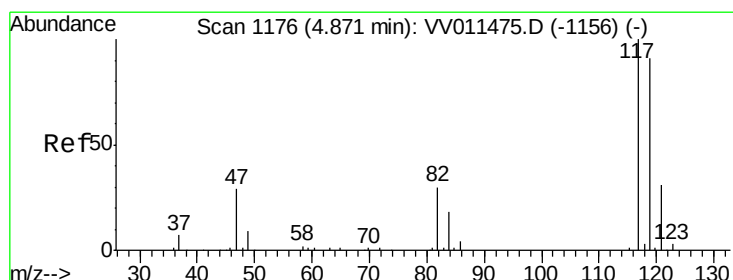
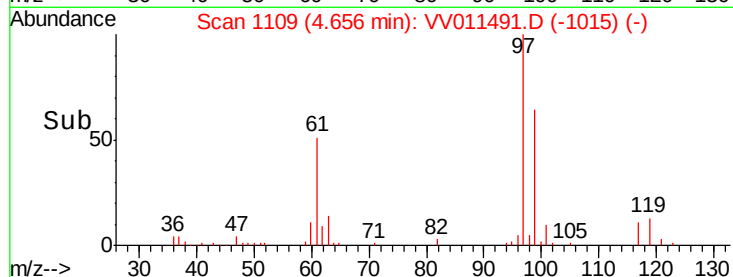
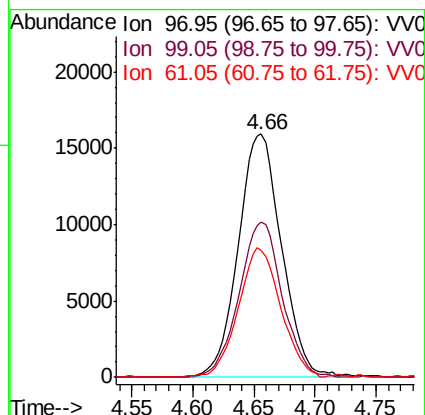
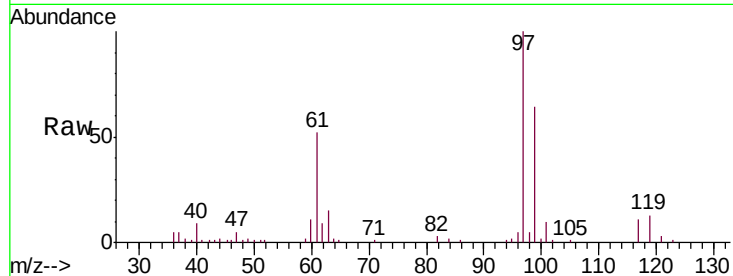




#29
 1,1,1-Trichloroethane
 Concen: 2.637 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV011491.D
 Acq: 14 Jun 2019 06:47

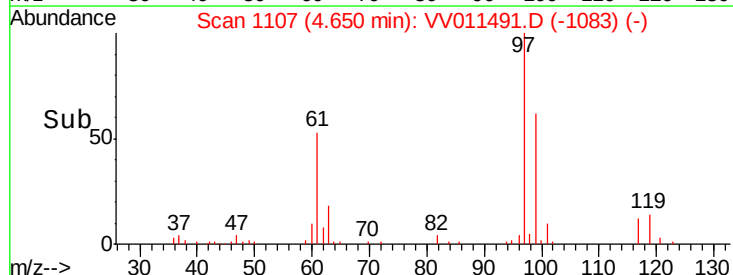
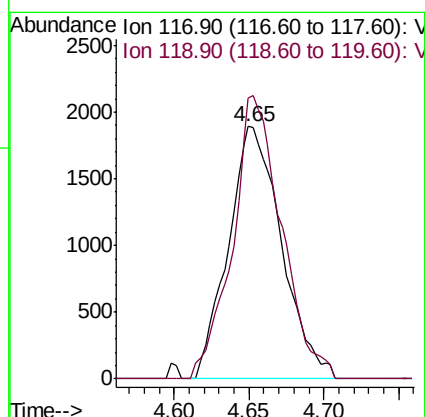
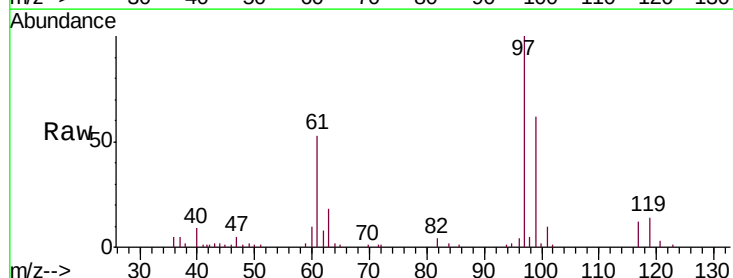
Instrument :
 MSVOA_V
 ClientSampled :
 COM07

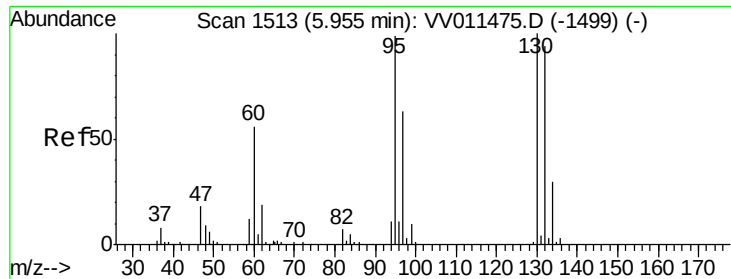
Tgt Ion: 97 Resp: 39051
 Ion Ratio Lower Upper
 97 100
 99 63.9 50.8 76.2
 61 52.3 38.9 58.3



#31
 Carbon tetrachloride
 Concen: 0.378 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. -0.22 min
 Lab File: VV011491.D
 Acq: 14 Jun 2019 06:47

Tgt Ion: 117 Resp: 4676
 Ion Ratio Lower Upper
 117 100
 119 103.8 77.9 116.9

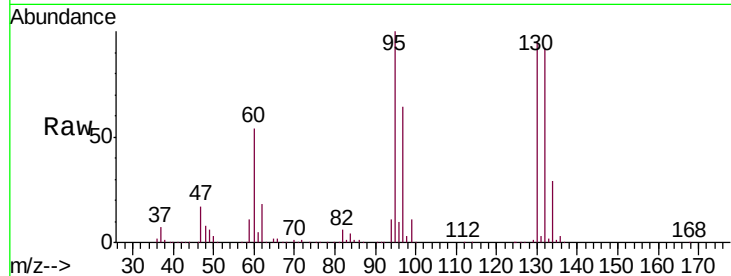




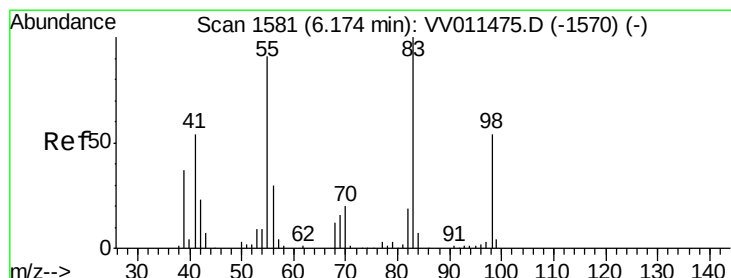
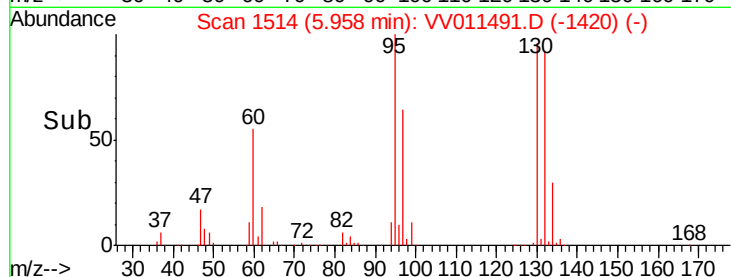
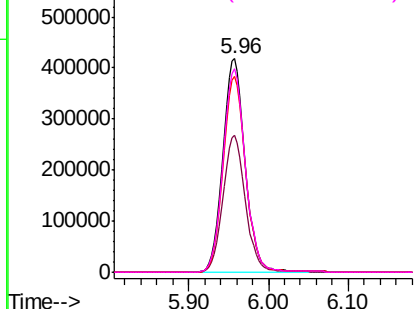
#34
 Trichloroethene
 Concen: 84.392 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV011491.D
 Acq: 14 Jun 2019 06:47

Instrument :
 MSVOA_V
 ClientSampleId :
 COM07

Tgt Ion: 95 Resp: 805425
 Ion Ratio Lower Upper
 95 100
 97 63.9 45.8 85.2
 132 91.5 66.4 123.2
 130 95.1 68.3 126.8

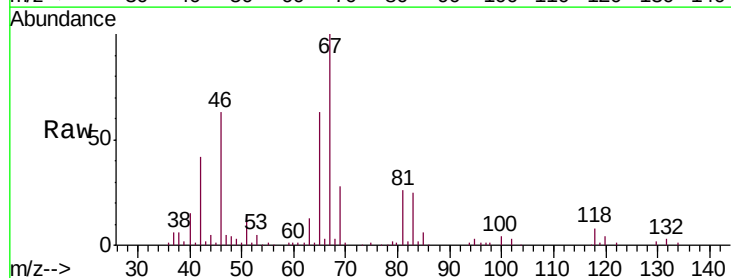


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

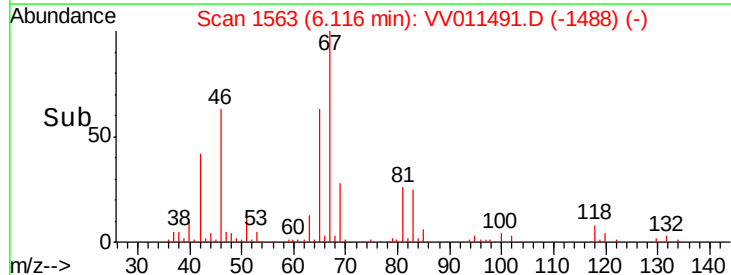
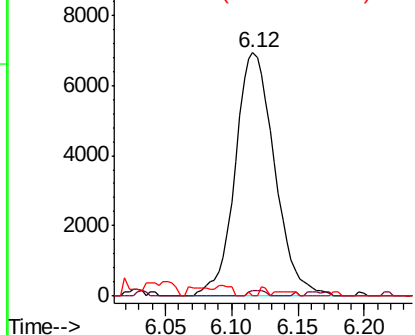


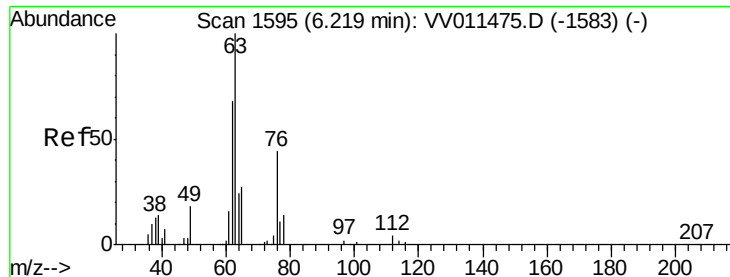
#35
 Methylcyclohexane
 Concen: 0.906 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.06 min
 Lab File: VV011491.D
 Acq: 14 Jun 2019 06:47

Tgt Ion: 83 Resp: 14292
 Ion Ratio Lower Upper
 83 100
 55 1.0 67.0 100.6#
 98 0.0 40.0 60.0#



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

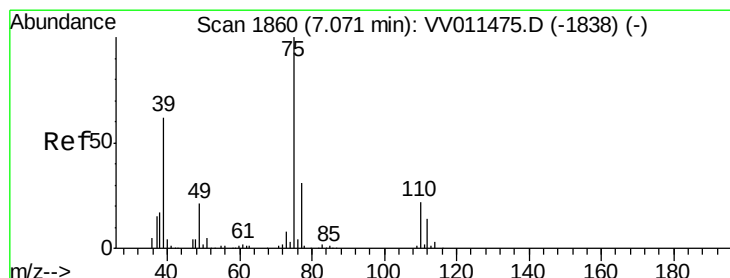
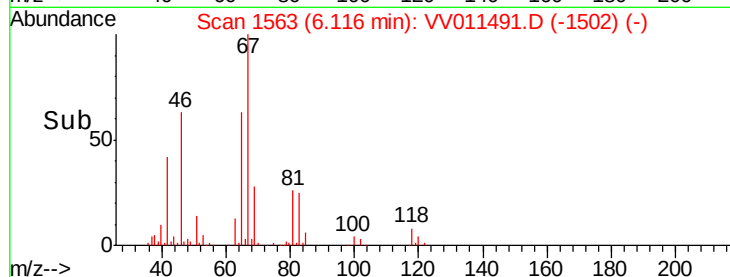
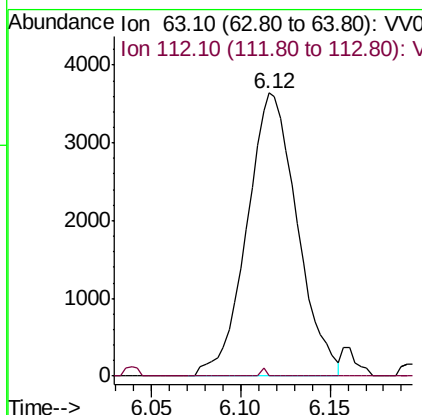
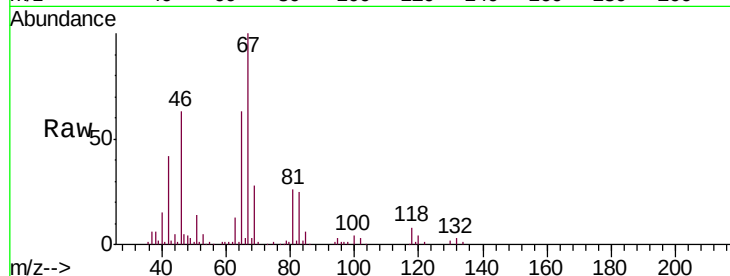




#37
 1,2-Dichloropropane
 Concen: 0.779 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV011491.D
 Acq: 14 Jun 2019 06:47

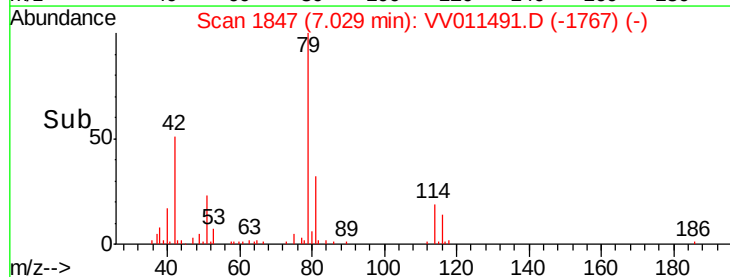
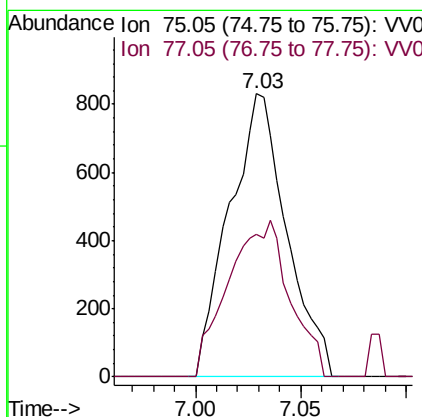
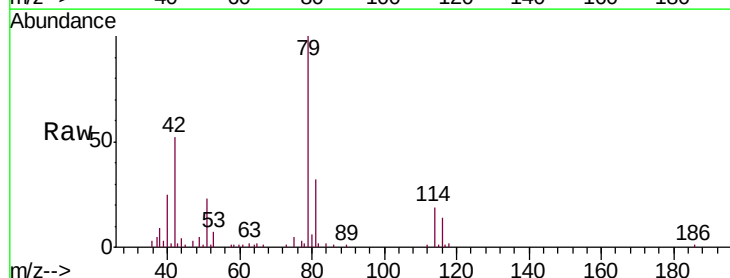
Instrument :
 MSVOA_V
 ClientSampleId :
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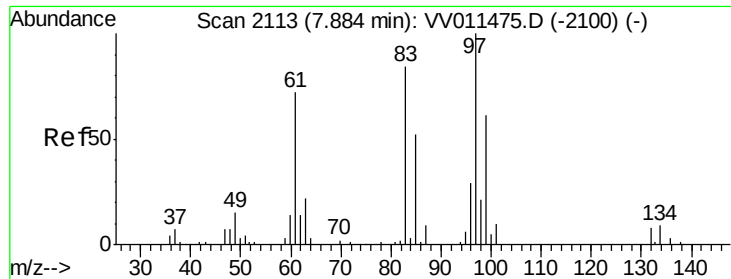
Tgt Ion: 63 Resp: 7160
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.117 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV011491.D
 Acq: 14 Jun 2019 06:47

Tgt Ion: 75 Resp: 1568
 Ion Ratio Lower Upper
 75 100
 77 50.2 22.2 41.2#

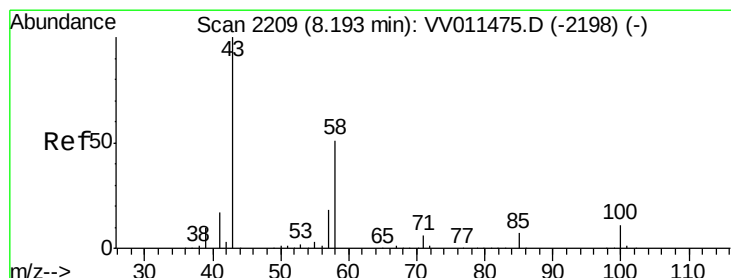
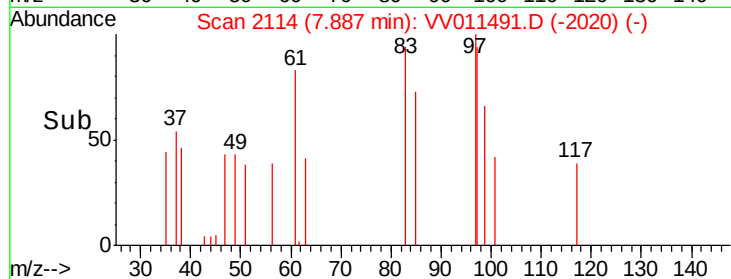
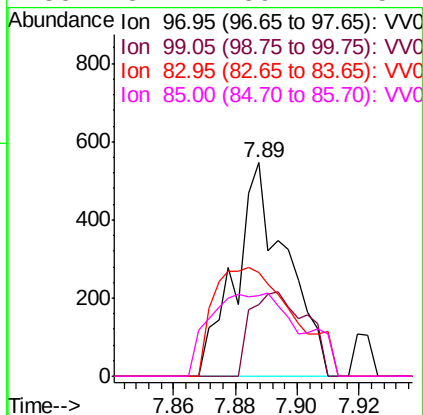
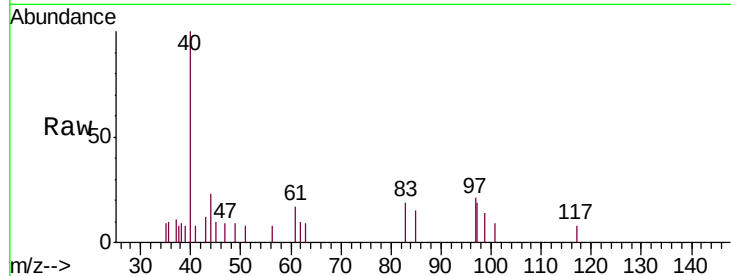




#45
 1,1,2-Trichloroethane
 Concen: 0.107 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV011491.D
 Acq: 14 Jun 2019 06:47

Instrument :
 MSVOA_V
 ClientSampleId :
 COM07

Tgt Ion: 97 Resp: 631
 Ion Ratio Lower Upper
 97 100
 99 33.9 42.1 78.3#
 83 48.4 59.4 110.2#
 85 37.7 39.7 73.7#



#48
 2-Hexanone
 Concen: 3.338 ug/L
 RT: 8.14 min Scan# 2194
 Delta R.T. -0.05 min
 Lab File: VV011491.D
 Acq: 14 Jun 2019 06:47

Tgt Ion: 43 Resp: 13631
 Ion Ratio Lower Upper
 43 100
 58 29.7 41.4 62.0#
 57 25.0 15.0 22.4#
 100 0.8 9.0 13.4#

