

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081718\
 Data File : VV007059.D
 Acq On : 17 Aug 2018 17:16
 Operator : SY/MD
 Sample : J4488-07
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 18 03:39:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 18 03:36:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	237986	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	224942	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	87557	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	88361	5.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	115.00%
7) Chloroethane-d5	1.58	69	76207	5.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	117.00%
11) 1,1-Dichloroethene-d2	2.13	63	136130	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.40%
20) 2-Butanone-d5	3.96	46	232423	52.61	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.22%
24) Chloroform-d	4.41	84	179607	5.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.20%
26) 1,2-Dichloroethane-d4	5.09	65	93526	5.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.80%
32) Benzene-d6	5.10	84	351231	6.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	121.60%
36) 1,2-Dichloropropane-d6	6.12	67	117488	5.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	119.00%
41) Toluene-d8	7.37	98	253379	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
43) trans-1,3-Dichloropropene-	7.67	79	35802	5.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.20%
46) 2-Hexanone-d5	8.15	63	104435	37.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.32%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	82749	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	90078	5.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.20%

Target Compounds

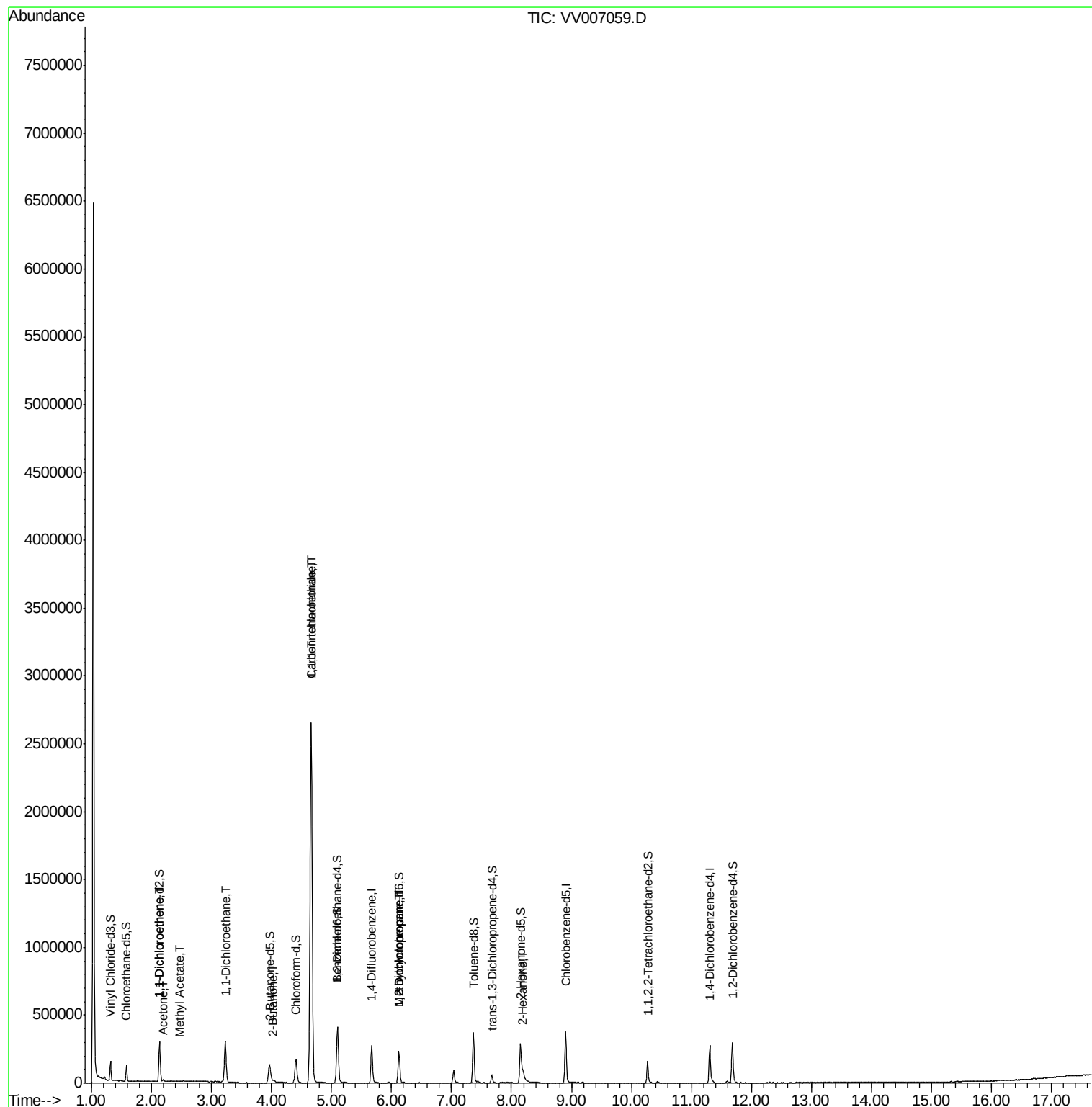
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.14	96	32664	1.911	ug/L #	68
13) Acetone	2.20	43	9539	4.193	ug/L	98
15) Methyl Acetate	2.47	43	1985	0.310	ug/L #	77
19) 1,1-Dichloroethane	3.23	63	303030	9.173	ug/L	97
21) 2-Butanone	4.04	43	3211	0.650	ug/L #	53
29) 1,1,1-Trichloroethane	4.66	97	2121927	70.746	ug/L	98
31) Carbon tetrachloride	4.66	117	283471	11.270	ug/L	99
35) Methylcyclohexane	6.12	83	27377	0.913	ug/L #	15
37) 1,2-Dichloropropane	6.13	63	12138	0.569	ug/L #	88
48) 2-Hexanone	8.20	43	29073	3.577	ug/L	98

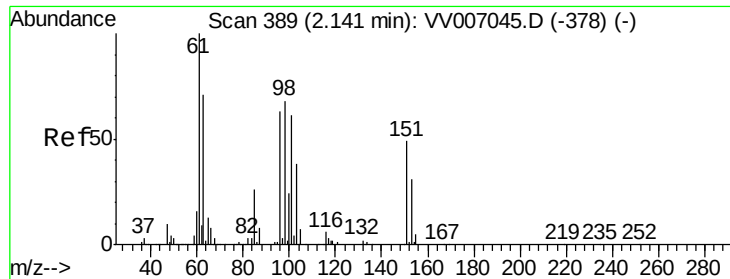
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 1.911 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007059.D

Acq: 17 Aug 2018 17:16

Instrument :
MSVOA_V
ClientSampleId :

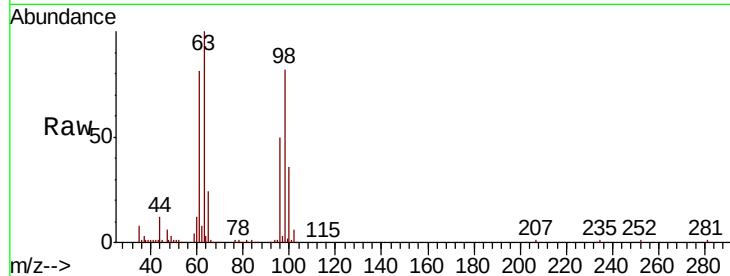
Tot Ion: 96 Resp: 32664

Ion Ratio Lower Upper

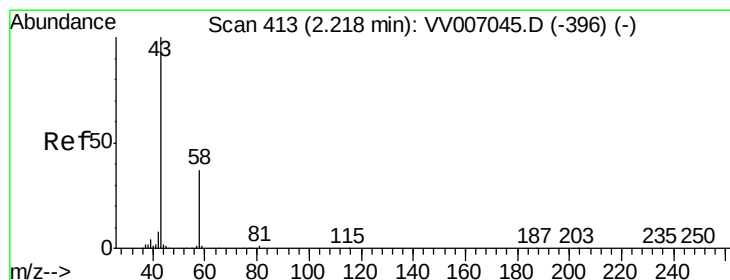
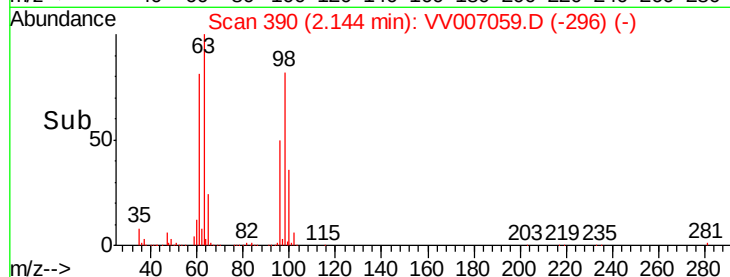
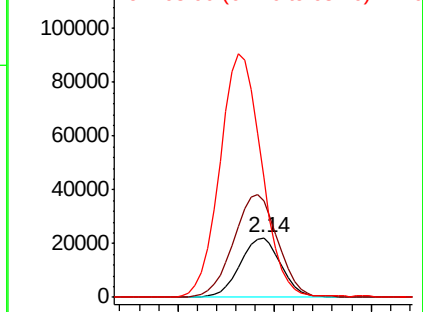
96 100

61 162.7 111.6 207.4

63 200.7 84.9 157.7#



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



#13

Acetone

Concen: 4.193 ug/L

RT: 2.20 min Scan# 407

Delta R.T. -0.02 min

Lab File: VV007059.D

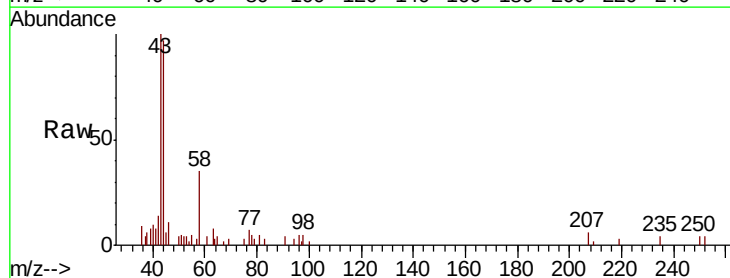
Acq: 17 Aug 2018 17:16

Tgt Ion: 43 Resp: 9539

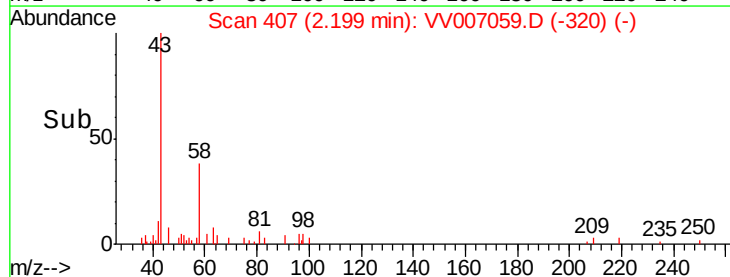
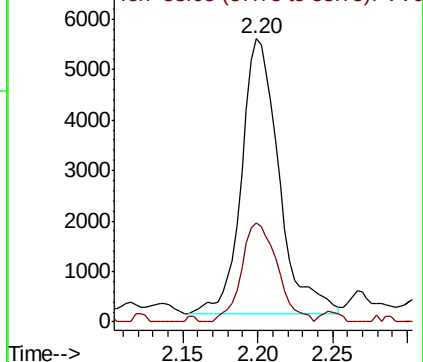
Ion Ratio Lower Upper

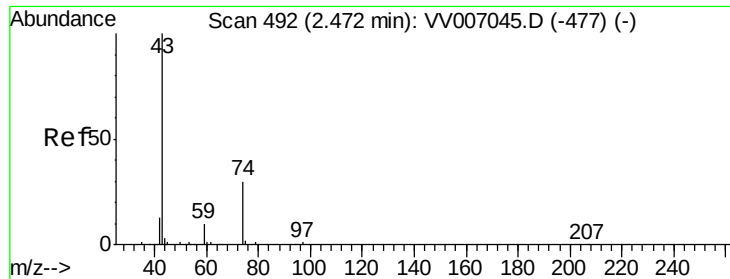
43 100

58 34.5 0.0 71.4



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0

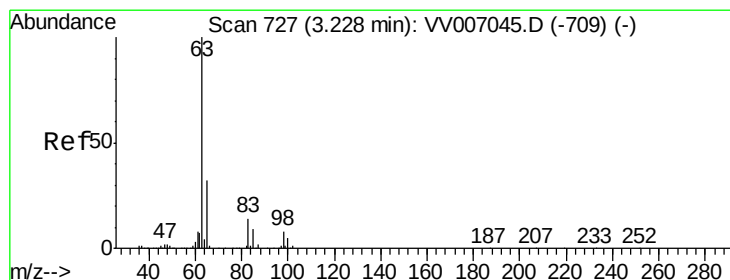
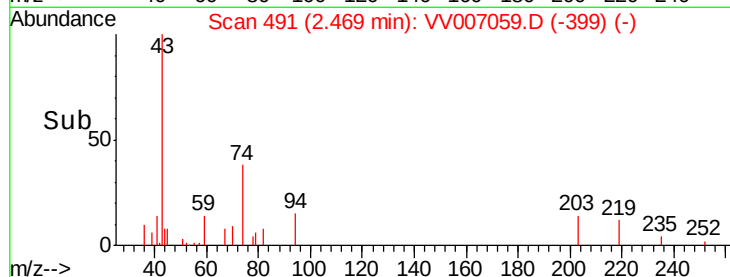
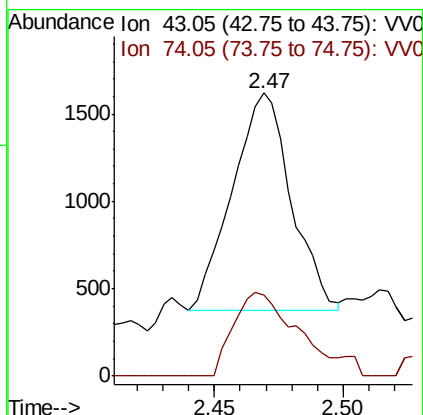
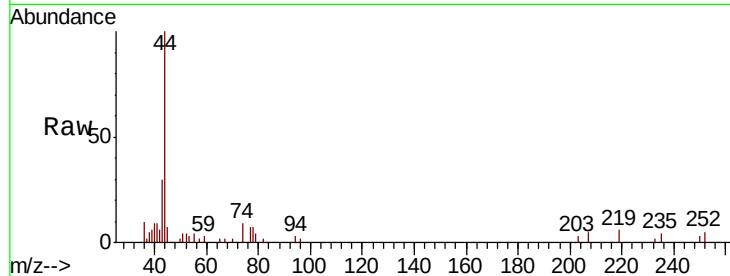




#15
Methvl Acetate
Concen: 0.310 ug/L
RT: 2.47 min Scan# 491
Delta R.T. -0.00 min
Lab File: VV007059.D
Acq: 17 Aug 2018 17:16

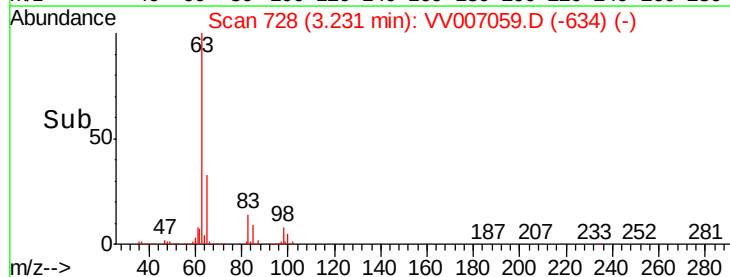
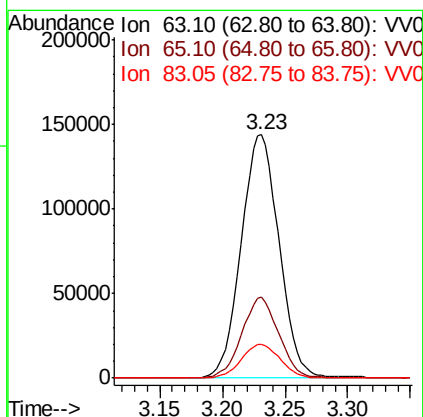
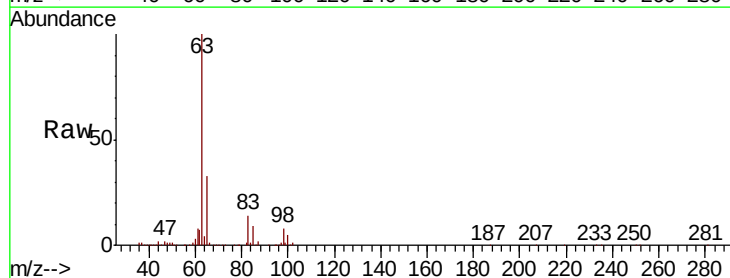
Instrument :
MSVOA_V
ClientSampleId :

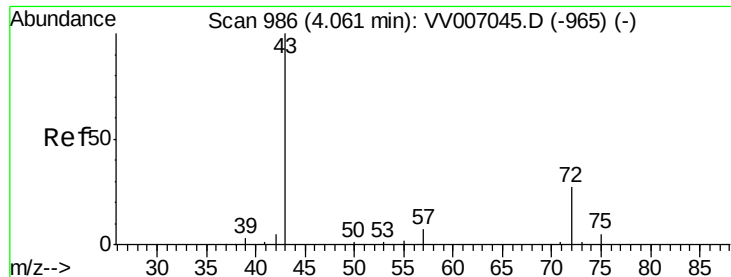
Tot Ion: 43 Resp: 1985
Ion Ratio Lower Upper
43 100
74 43.3 24.6 37.0#



#19
1,1-Dichloroethane
Concen: 9.173 ug/L
RT: 3.23 min Scan# 728
Delta R.T. 0.00 min
Lab File: VV007059.D
Acq: 17 Aug 2018 17:16

Tgt Ion: 63 Resp: 303030
Ion Ratio Lower Upper
63 100
65 33.1 21.7 40.3
83 14.1 10.0 18.6





#21

2-Butanone

Concen: 0.650 ug/L

RT: 4.04 min Scan# 979

Delta R.T. -0.02 min

Lab File: VV007059.D

Acq: 17 Aug 2018 17:16

Instrument :

MSVOA_V

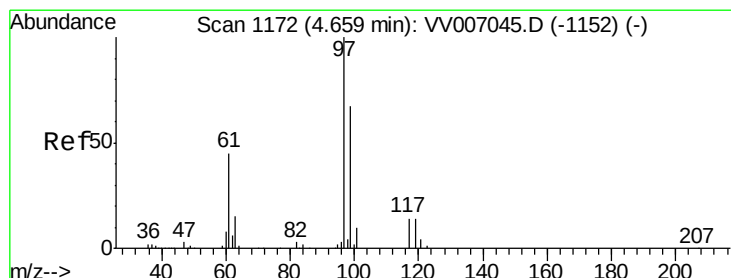
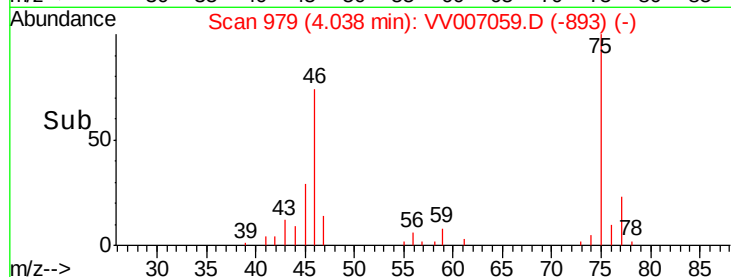
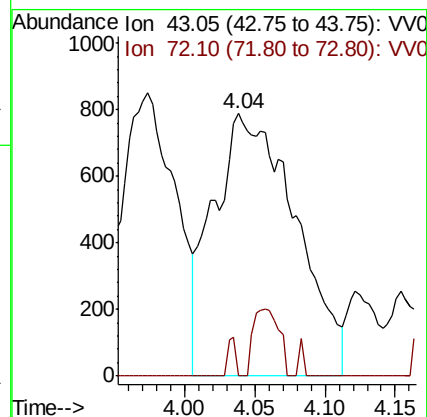
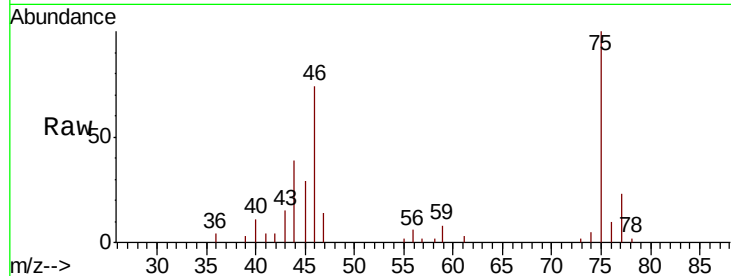
ClientSampleId :

Tot Ion: 43 Resp: 3211

Ion Ratio Lower Upper

43 100

72 1.3 12.4 37.2#



#29

1,1,1-Trichloroethane

Concen: 70.746 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VV007059.D

Acq: 17 Aug 2018 17:16

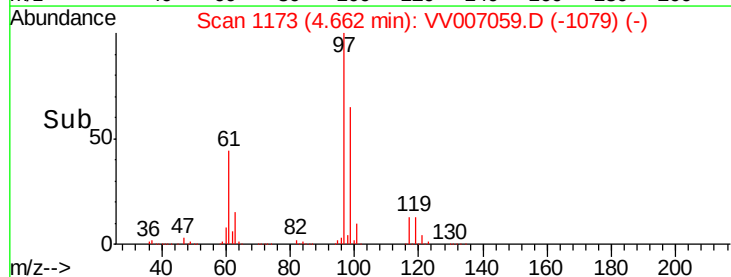
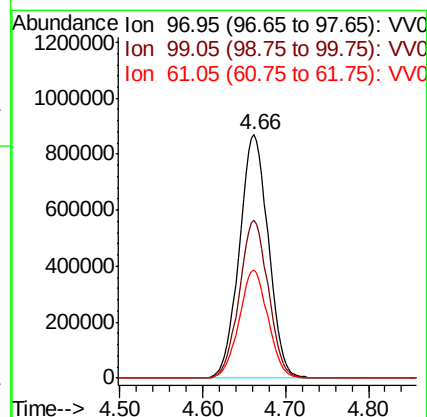
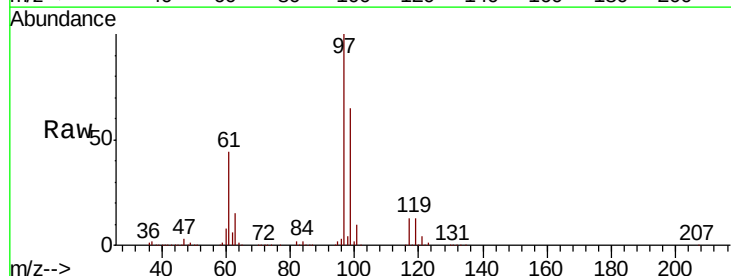
Tgt Ion: 97 Resp: 2121927

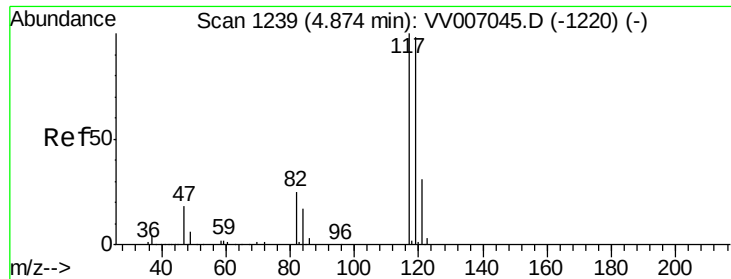
Ion Ratio Lower Upper

97 100

99 64.8 51.0 76.6

61 44.2 36.6 54.8

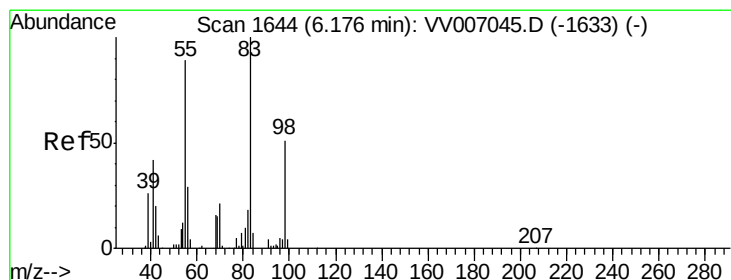
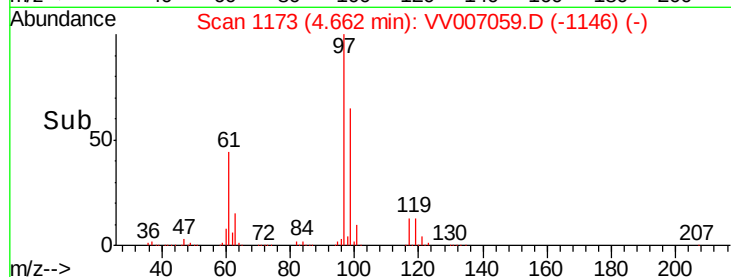
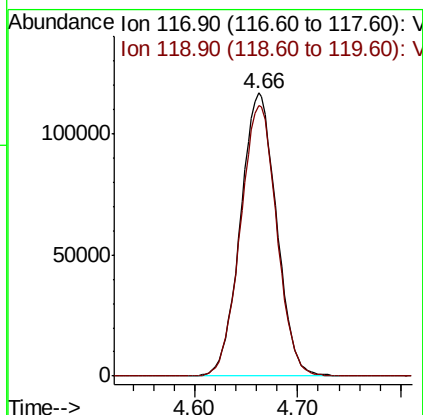
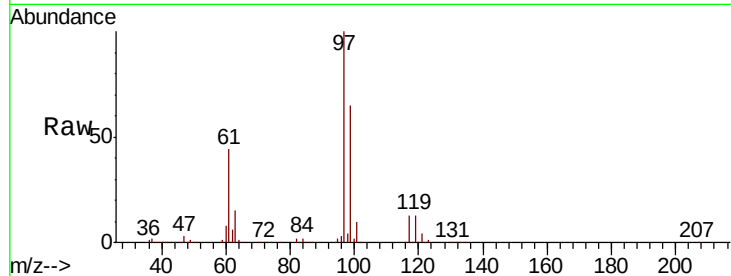




#31
Carbon tetrachloride
Concen: 11.270 ug/L
RT: 4.66 min Scan# 1173
Delta R.T. -0.21 min
Lab File: VV007059.D
Acq: 17 Aug 2018 17:16

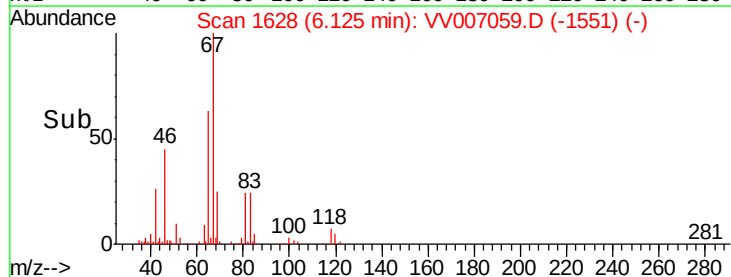
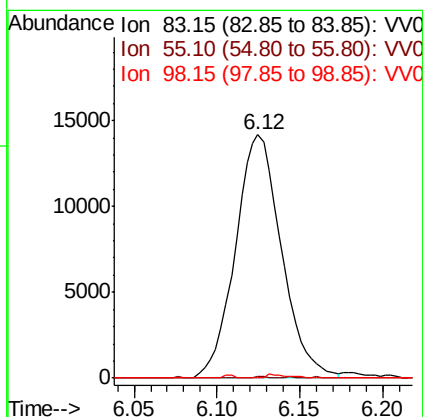
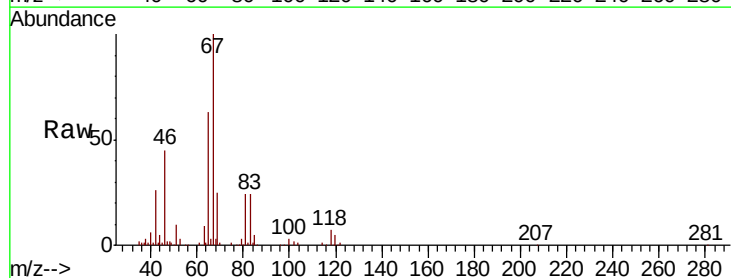
Instrument :
MSVOA_V
ClientSampled :

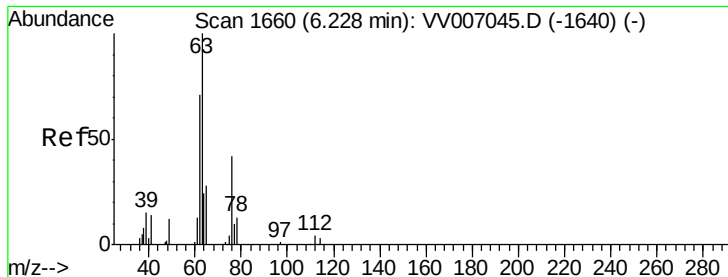
Tot Ion:117 Resp: 283471
Ion Ratio Lower Upper
117 100
119 96.4 76.2 114.4



#35
Methylcyclohexane
Concen: 0.913 ug/L
RT: 6.12 min Scan# 1628
Delta R.T. -0.05 min
Lab File: VV007059.D
Acq: 17 Aug 2018 17:16

Tgt Ion: 83 Resp: 27377
Ion Ratio Lower Upper
83 100
55 0.1 68.1 102.1#
98 0.7 37.9 56.9#





#37

1,2-Dichloropropane

Concen: 0.569 ug/L

RT: 6.13 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VV007059.D

Acq: 17 Aug 2018 17:16

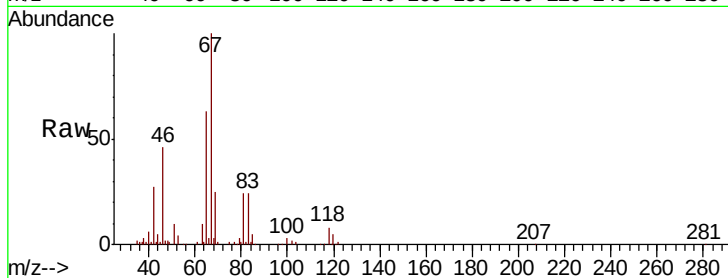
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 12138

Ion Ratio Lower Upper

63 100

112 0.4 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VV007045.D (-1640) (-)

Ion 112.10 (111.80 to 112.80): VV007045.D (-1640) (-)

6.13

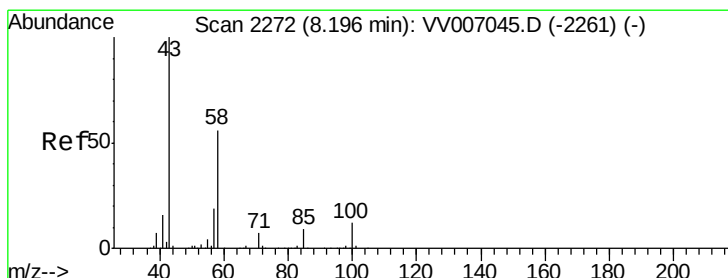
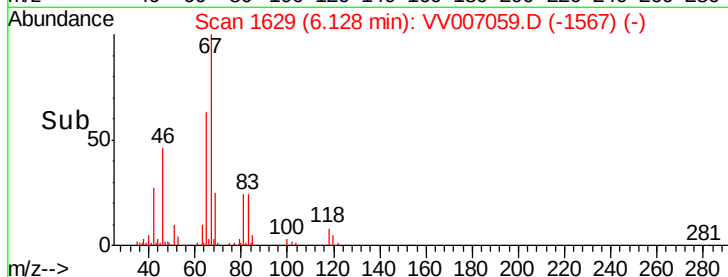
6000

4000

2000

0

Time-->



#48

2-Hexanone

Concen: 3.577 ug/L

RT: 8.20 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV007059.D

Acq: 17 Aug 2018 17:16

Tgt Ion: 43 Resp: 29073

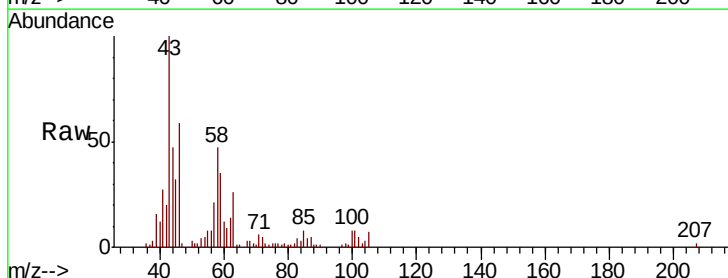
Ion Ratio Lower Upper

43 100

58 54.4 44.2 66.2

57 20.8 14.8 22.2

100 10.6 8.8 13.2



Abundance Ion 43.05 (42.75 to 43.75): VV007045.D (-2261) (-)

Ion 58.05 (57.75 to 58.75): VV007045.D (-2261) (-)

Ion 57.20 (56.90 to 57.90): VV007045.D (-2261) (-)

Ion 100.15 (99.85 to 100.85): VV007045.D (-2261) (-)

8.20

20000

15000

10000

5000

0

Time-->

