

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052920\
 Data File : VV016321.D
 Acq On : 29 May 2020 17:36
 Operator : SY/MD
 Sample : L2662-11DL 5X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 30 00:04:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 30 00:00:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	99881	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	93113	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	42668	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28917	4.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.20%
7) Chloroethane-d5	1.58	69	23135	4.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.20%
11) 1,1-Dichloroethene-d2	2.13	63	42633	3.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.80%
20) 2-Butanone-d5	3.94	46	83929	52.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.50%
24) Chloroform-d	4.38	84	58287	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	5.06	65	32340	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.08	84	116851	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.10	67	35854	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.34	98	108464	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
45) trans-1,3-Dichloropropene-	7.65	79	12204	4.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.80%
48) 2-Hexanone-d5	8.12	63	66030	54.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.26%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	24949	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	37017	5.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.80%

Target Compounds

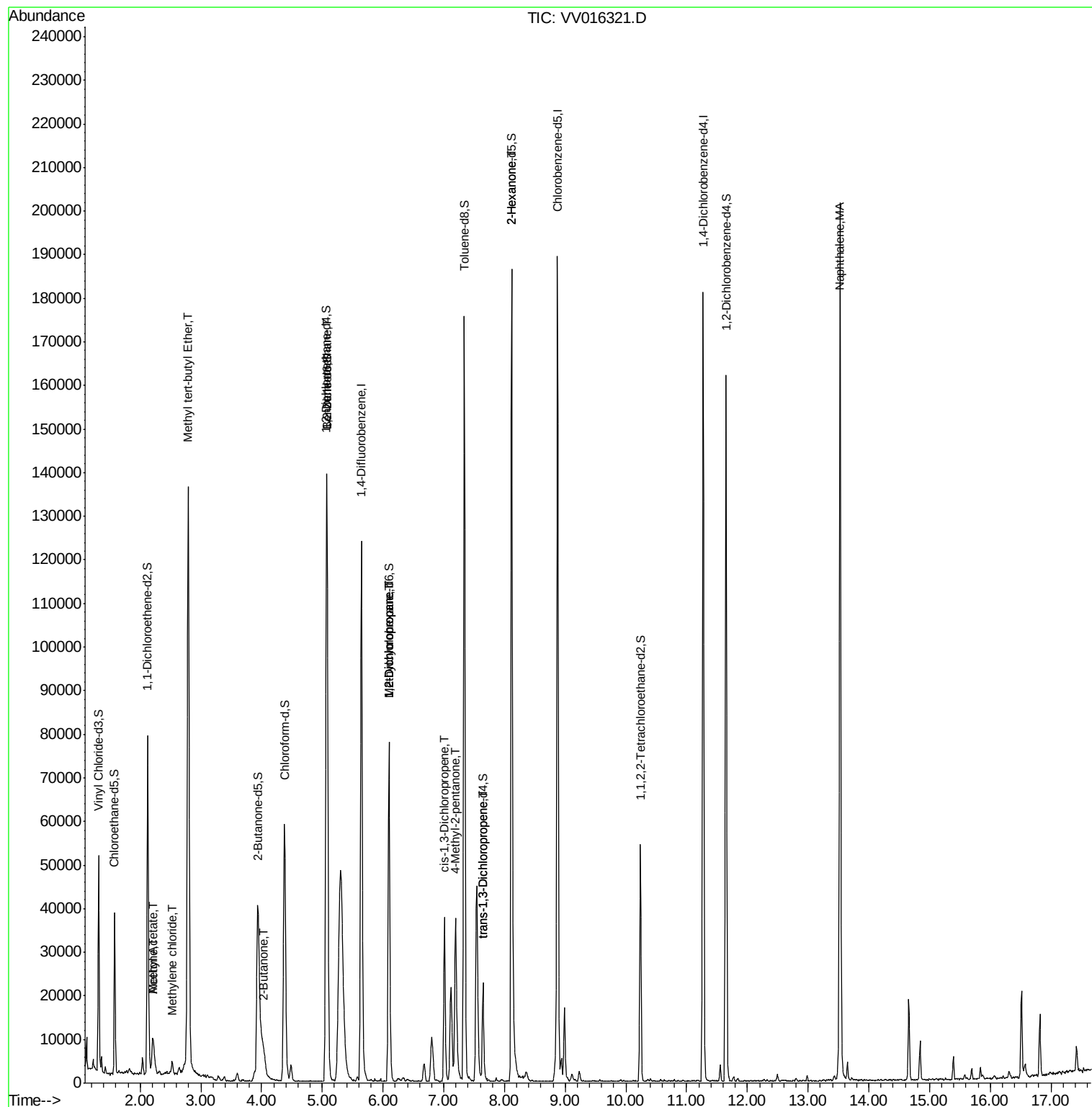
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.21	43	14774	15.000	ug/L	85
15) Methyl Acetate	2.21	43	14194	5.639	ug/L #	53
16) Methylene chloride	2.53	84	954	0.141	ug/L	94
17) Methyl tert-butyl Ether	2.79	73	130899	9.024	ug/L	98
21) 2-Butanone	4.04	43	12130	6.923	ug/L	90
27) 1,2-Dichloroethane	5.07	62	773	0.091	ug/L #	79
35) Methylcyclohexane	6.09	83	8910	0.757	ug/L #	17
37) 1,2-Dichloropropane	6.10	63	4347	0.661	ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	1077	0.116	ug/L #	64
40) 4-Methyl-2-pentanone	7.20	43	6341	1.551	ug/L #	54
46) trans-1,3-Dichloropropene	7.65	75	503	0.065	ug/L #	41
50) 2-Hexanone	8.12	43	8894	3.119	ug/L #	72
70) Naphthalene	13.53	128	153846	8.703	ug/L	99

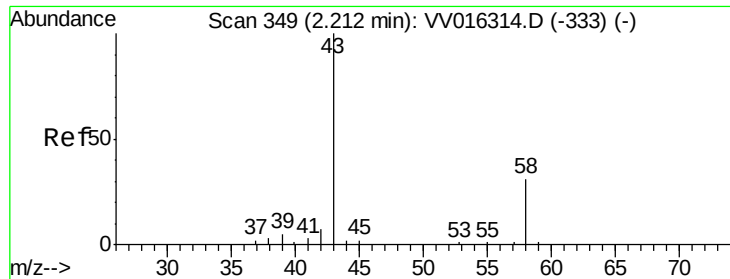
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 15.000 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.00 min

Lab File: VV016321.D

Acq: 29 May 2020 17:36

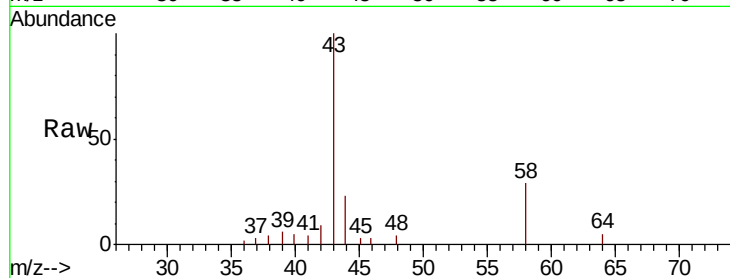
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 14774

Ion Ratio Lower Upper

43 100

58 31.6 0.0 48.8



Abundance Ion 43.05 (42.75 to 43.75): VV016321.D (-256) (-)

Ion 58.05 (57.75 to 58.75): VV016321.D (-256) (-)

2.21

6000

5000

4000

3000

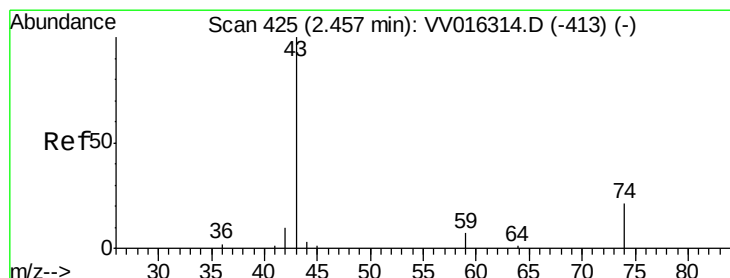
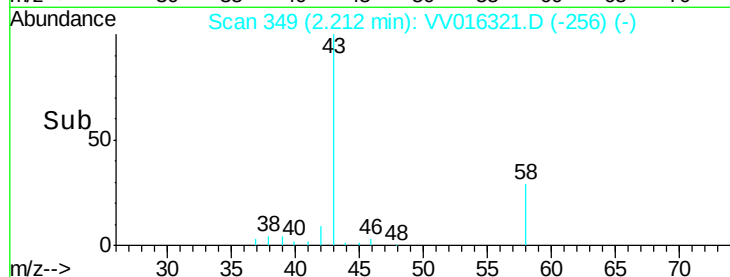
2000

1000

0

Time-->

2.15 2.20 2.25 2.30



#15

Methyl Acetate

Concen: 5.639 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.24 min

Lab File: VV016321.D

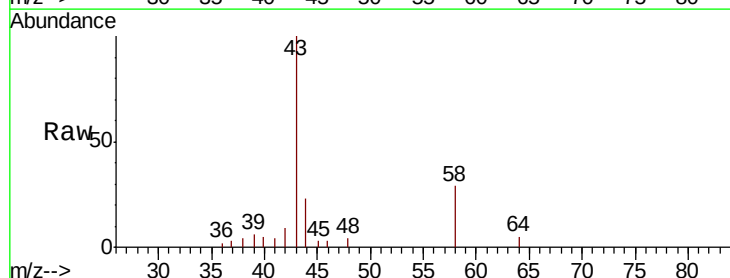
Acq: 29 May 2020 17:36

Tgt Ion: 43 Resp: 14194

Ion Ratio Lower Upper

43 100

74 0.0 18.1 27.1#



Abundance Ion 43.05 (42.75 to 43.75): VV016321.D (-332) (-)

Ion 74.05 (73.75 to 74.75): VV016321.D (-332) (-)

2.21

6000

5000

4000

3000

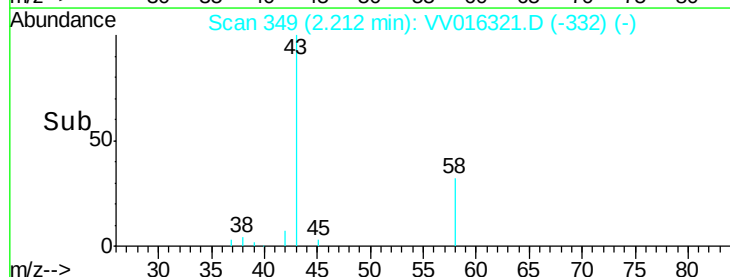
2000

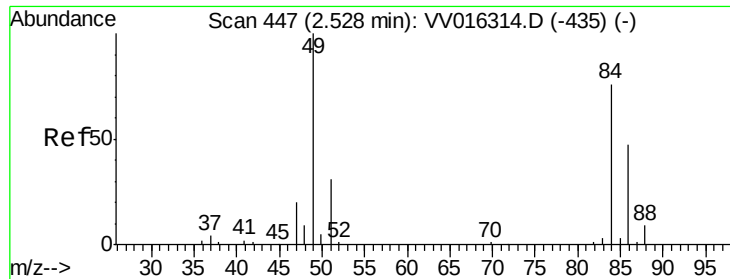
1000

0

Time-->

2.15 2.20 2.25 2.30

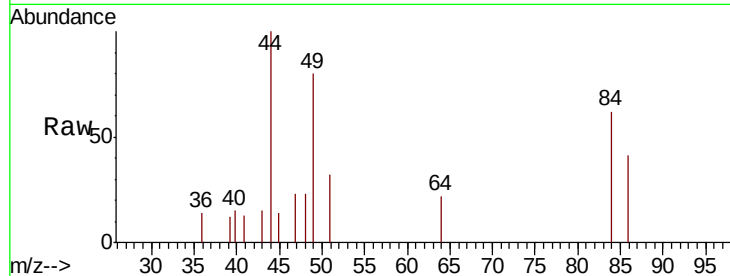




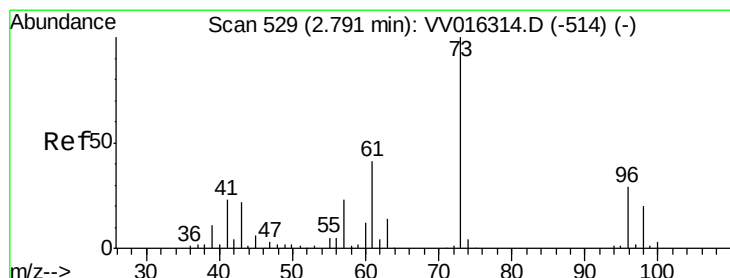
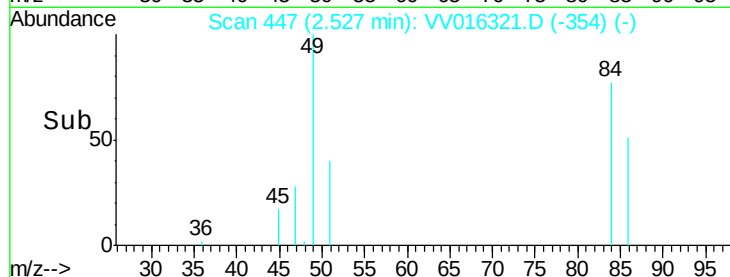
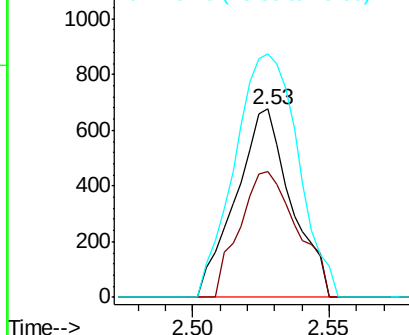
#16
Methylene chloride
Concen: 0.141 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV016321.D
Acq: 29 May 2020 17:36

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 84 Resp: 954
Ion Ratio Lower Upper
84 100
86 66.7 44.9 83.5
49 129.5 96.7 179.7

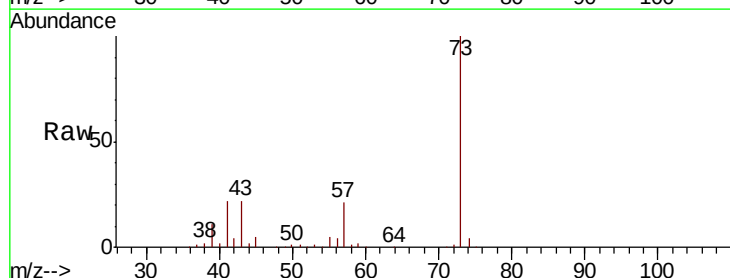


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

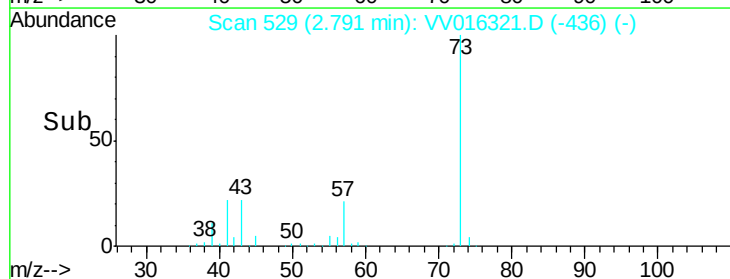
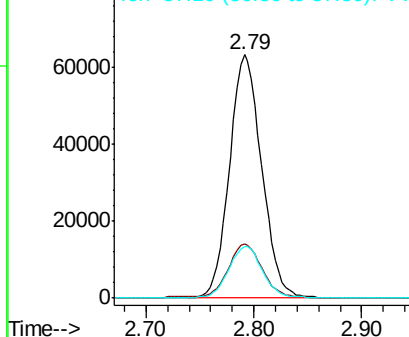


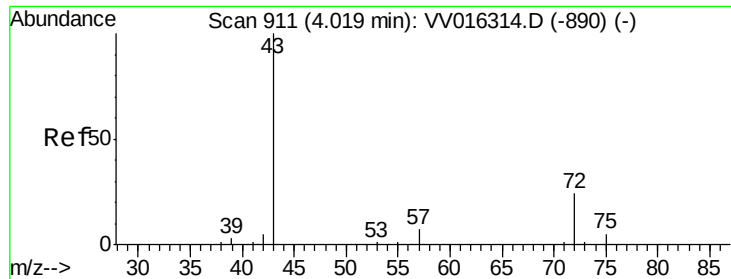
#17
Methyl tert-butyl Ether
Concen: 9.024 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV016321.D
Acq: 29 May 2020 17:36

Tgt Ion: 73 Resp: 130899
Ion Ratio Lower Upper
73 100
43 23.0 17.8 26.8
57 22.6 18.9 28.3



Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0





#21

2-Butanone

Concen: 6.923 ug/L

RT: 4.04 min Scan# 916

Delta R.T. 0.02 min

Lab File: VV016321.D

Acq: 29 May 2020 17:36

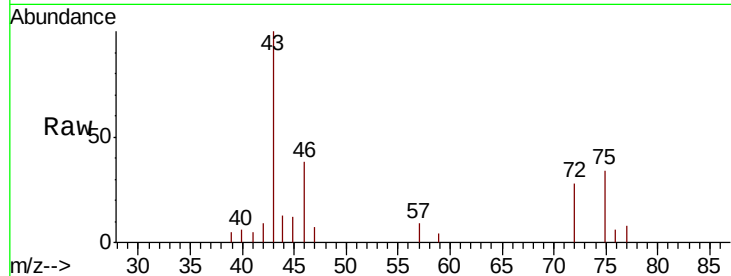
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 12130

Ion Ratio Lower Upper

43 100

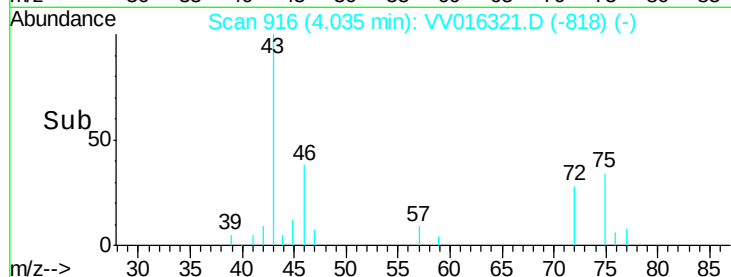
72 23.8 9.7 28.9



Abundance Ion 43.00 (42.70 to 43.70): VV016321.D (-818) (-)

Ion 72.00 (71.70 to 72.70): VV016321.D (-818) (-)

Time-->

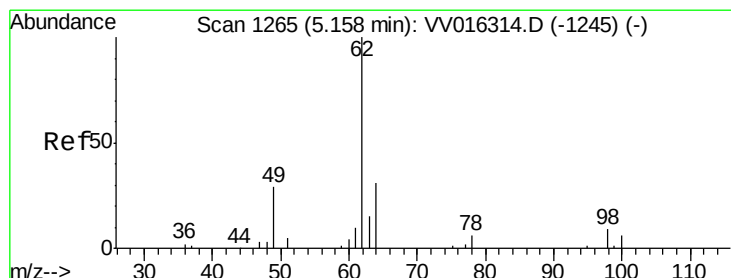


Abundance

Ion 43.00 (42.70 to 43.70): VV016321.D (-818) (-)

Ion 72.00 (71.70 to 72.70): VV016321.D (-818) (-)

Time-->



#27

1,2-Dichloroethane

Concen: 0.091 ug/L

RT: 5.07 min Scan# 1239

Delta R.T. -0.08 min

Lab File: VV016321.D

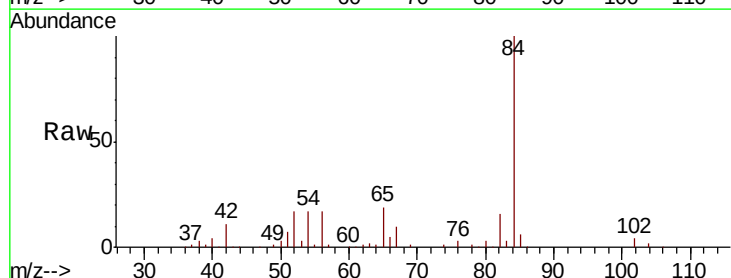
Acq: 29 May 2020 17:36

Tgt Ion: 62 Resp: 773

Ion Ratio Lower Upper

62 100

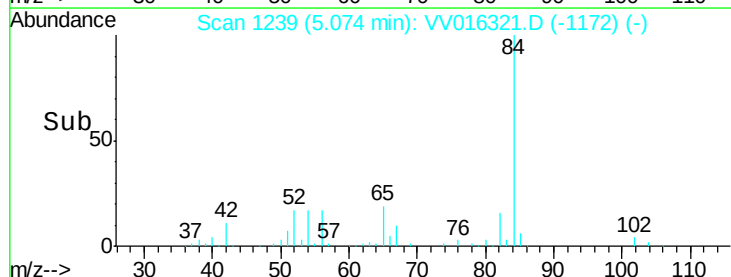
98 0.0 5.7 8.5#



Abundance Ion 62.00 (61.70 to 62.70): VV016321.D (-1172) (-)

Ion 98.05 (97.75 to 98.75): VV016321.D (-1172) (-)

Time-->

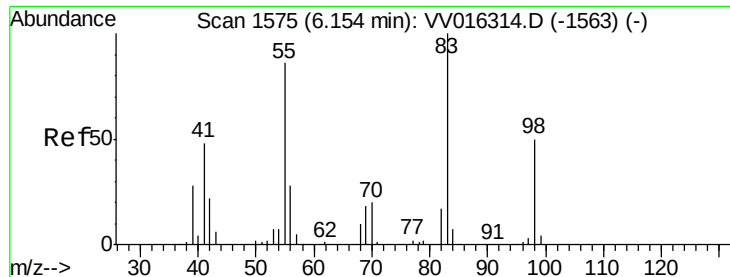


Abundance

Ion 62.00 (61.70 to 62.70): VV016321.D (-1172) (-)

Ion 98.05 (97.75 to 98.75): VV016321.D (-1172) (-)

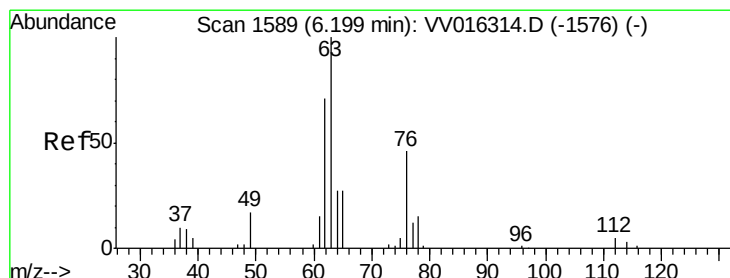
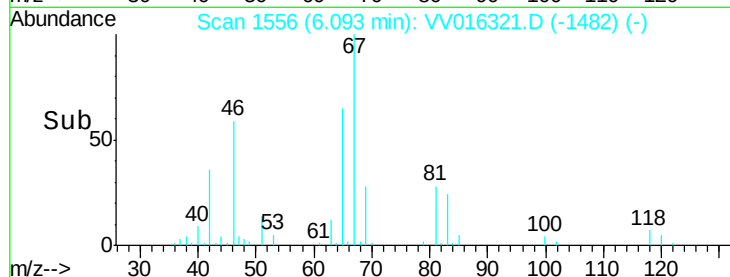
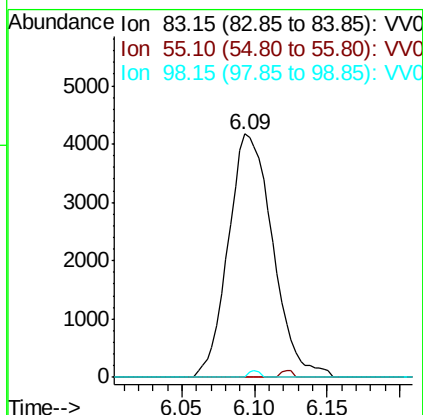
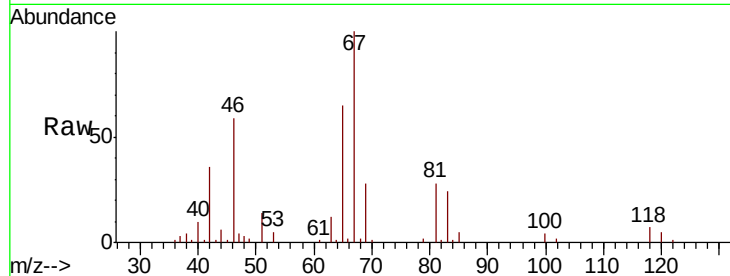
Time-->



#35
Methylvlcyclohexane
Concen: 0.757 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV016321.D
Acq: 29 May 2020 17:36

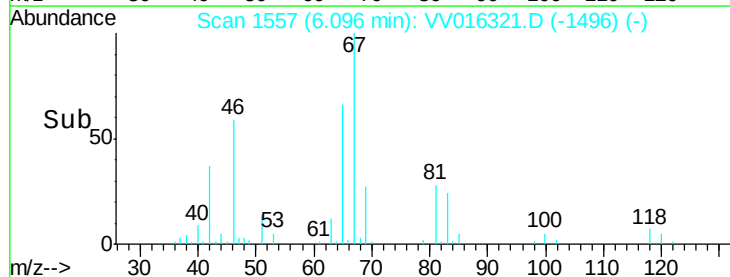
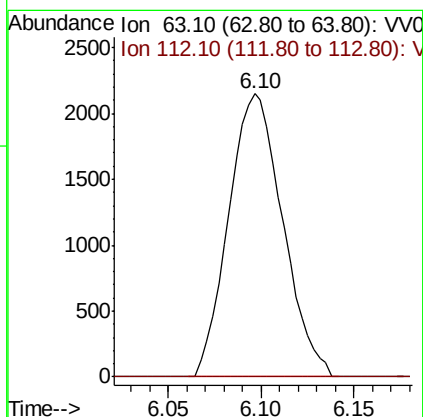
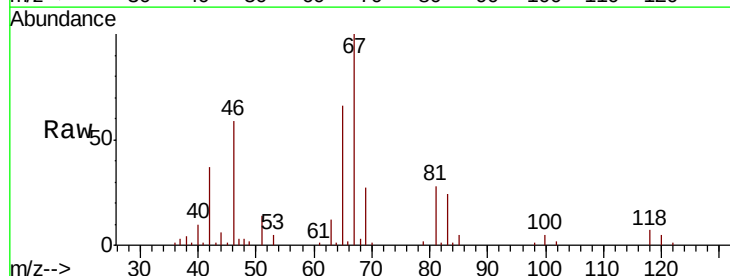
Instrument :
MSVOA_V
ClientSampleId :

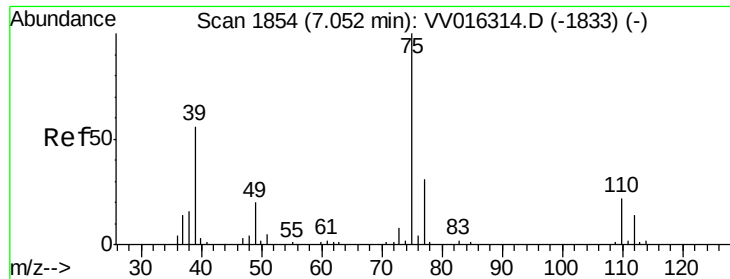
Tot Ion: 83 Resp: 8910
Ion Ratio Lower Upper
83 100
55 0.7 65.4 98.0#
98 0.7 39.3 58.9#



#37
1,2-Dichloropropane
Concen: 0.661 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV016321.D
Acq: 29 May 2020 17:36

Tgt Ion: 63 Resp: 4347
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#

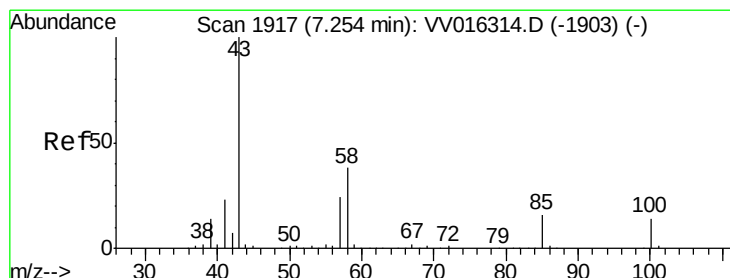
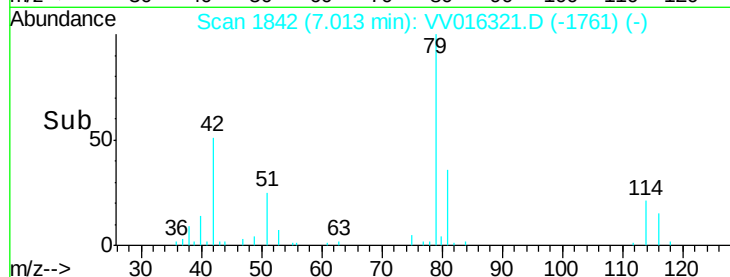
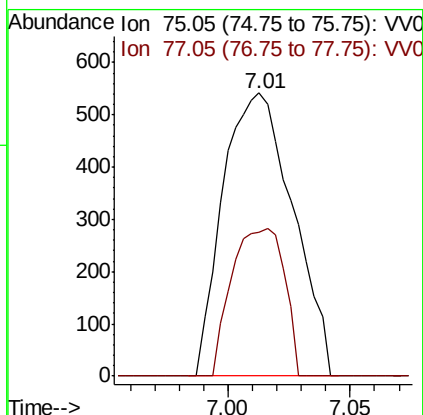
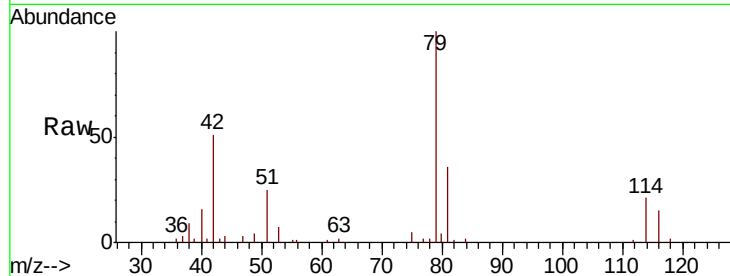




#39
 cis-1,3-Dichloropropene
 Concen: 0.116 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV016321.D
 Acq: 29 May 2020 17:36

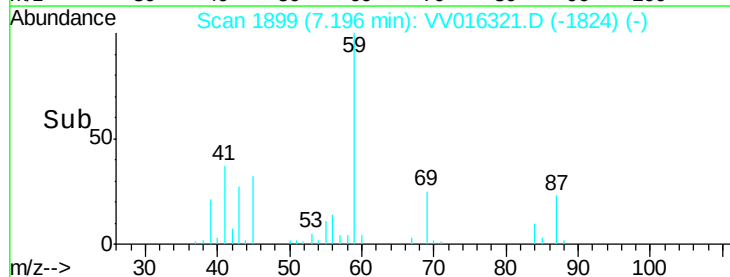
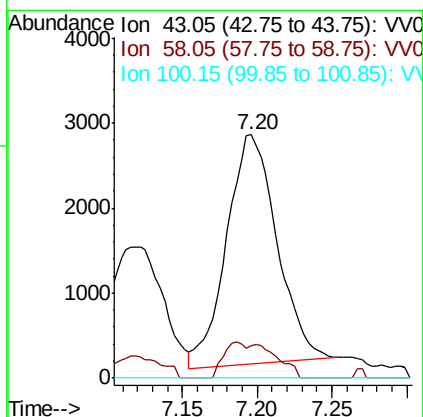
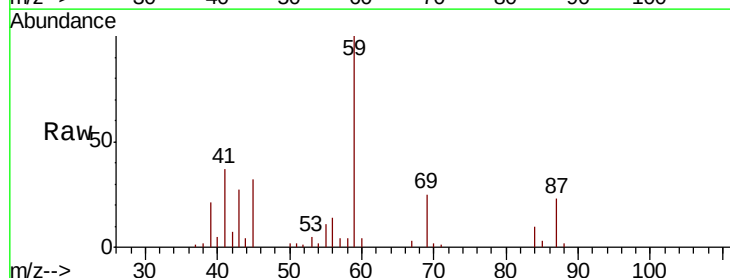
Instrument :
 MSVOA_V
 ClientSampleId :

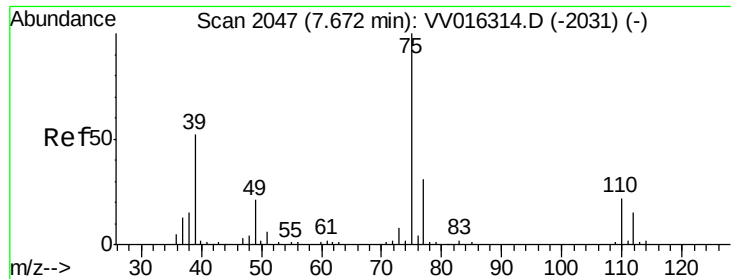
Tot Ion: 75 Resp: 1077
 Ion Ratio Lower Upper
 75 100
 77 50.7 21.7 40.3#



#40
 4-Methyl-2-pentanone
 Concen: 1.551 ug/L
 RT: 7.20 min Scan# 1899
 Delta R.T. -0.06 min
 Lab File: VV016321.D
 Acq: 29 May 2020 17:36

Tgt Ion: 43 Resp: 6341
 Ion Ratio Lower Upper
 43 100
 58 7.1 29.5 44.3#
 100 0.0 11.1 16.7#

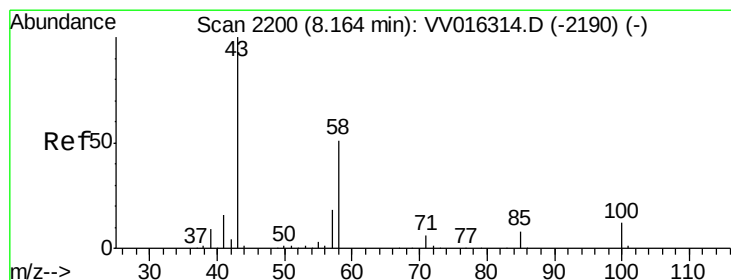
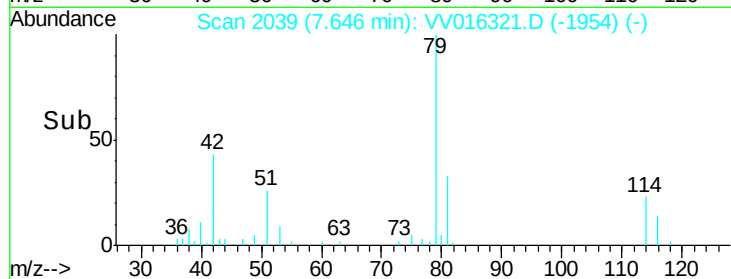
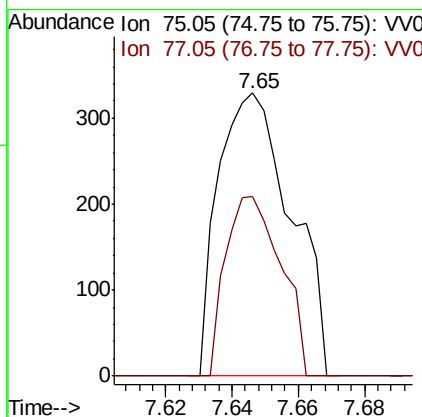
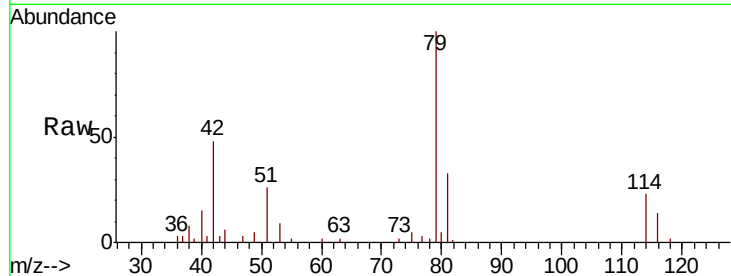




#46
trans-1,3-Dichloropropene
Concen: 0.065 ug/L
RT: 7.65 min Scan# 2039
Delta R.T. -0.03 min
Lab File: VV016321.D
Acq: 29 May 2020 17:36

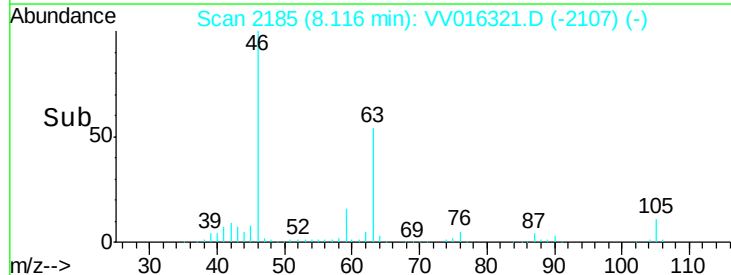
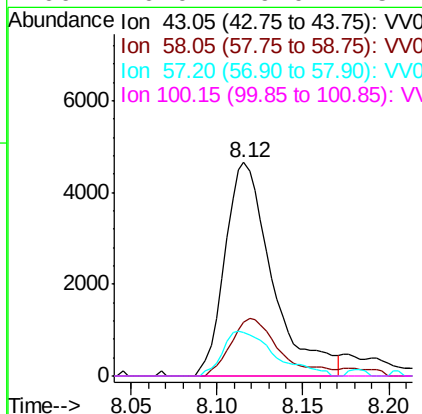
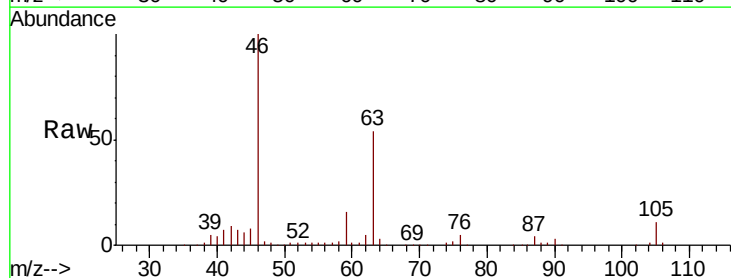
Instrument :
MSVOA_V
ClientSampleId :

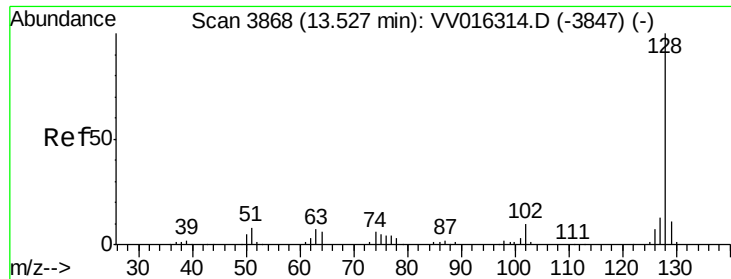
Tot Ion: 75 Resp: 503
Ion Ratio Lower Upper
75 100
77 63.5 21.7 40.3#



#50
2-Hexanone
Concen: 3.119 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV016321.D
Acq: 29 May 2020 17:36

Tgt Ion: 43 Resp: 8894
Ion Ratio Lower Upper
43 100
58 27.4 41.4 62.0#
57 22.9 15.0 22.4#
100 0.0 9.0 13.4#





#70

Naphthalene

Concen: 8.703 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV016321.D

Acq: 29 May 2020 17:36

Instrument :

MSVOA_V

ClientSampleId :

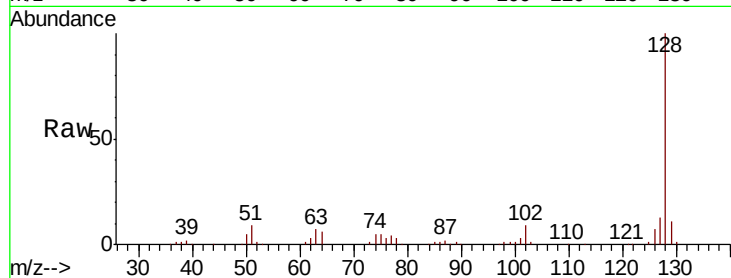
Tot Ion:128 Resp: 153846

Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

127 13.0 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

