

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042820\
 Data File : VV015769.D
 Acq On : 29 Apr 2020 00:40
 Operator : SY/MD
 Sample : L2419-08
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 29 03:49:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 29 03:36:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	107718	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	105039	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	49434	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	37560	6.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	133.40%#
7) Chloroethane-d5	1.58	69	33791	6.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	124.60%
11) 1,1-Dichloroethene-d2	2.12	63	54332	4.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.20%
20) 2-Butanone-d5	3.92	46	84941	46.99	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.98%
24) Chloroform-d	4.38	84	66209	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.06	65	38873	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
32) Benzene-d6	5.08	84	133602	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
36) 1,2-Dichloropropane-d6	6.10	67	41218	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.34	98	117357	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
43) trans-1,3-Dichloropropene-	7.65	79	13396	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.11	63	60377	39.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.94%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	26233	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	43514	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	3390	0.425	ug/L	94
8) Chloroethane	1.51	64	3621	0.647	ug/L #	54
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	494	0.073	ug/L #	22
12) 1,1-Dichloroethene	2.12	96	492	0.078	ug/L #	1
13) Acetone	2.19	43	7064	5.628	ug/L	99
21) 2-Butanone	4.02	43	1739	0.898	ug/L	93
25) Chloroform	4.41	83	4770	0.326	ug/L	94
27) 1,2-Dichloroethane	5.07	62	1025	0.107	ug/L #	78
34) Trichloroethene	5.96	95	925	0.112	ug/L #	79
35) Methylcyclohexane	6.10	83	10612	0.834	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	5318	0.697	ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1223	0.115	ug/L #	60
42) Toluene	7.42	91	1992	0.062	ug/L	97
44) trans-1,3-Dichloropropene	7.65	75	657	0.074	ug/L #	76
48) 2-Hexanone	8.17	43	6265	1.775	ug/L #	84

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Apr 29 03:36:29 2020
Response via : Initial Calibration

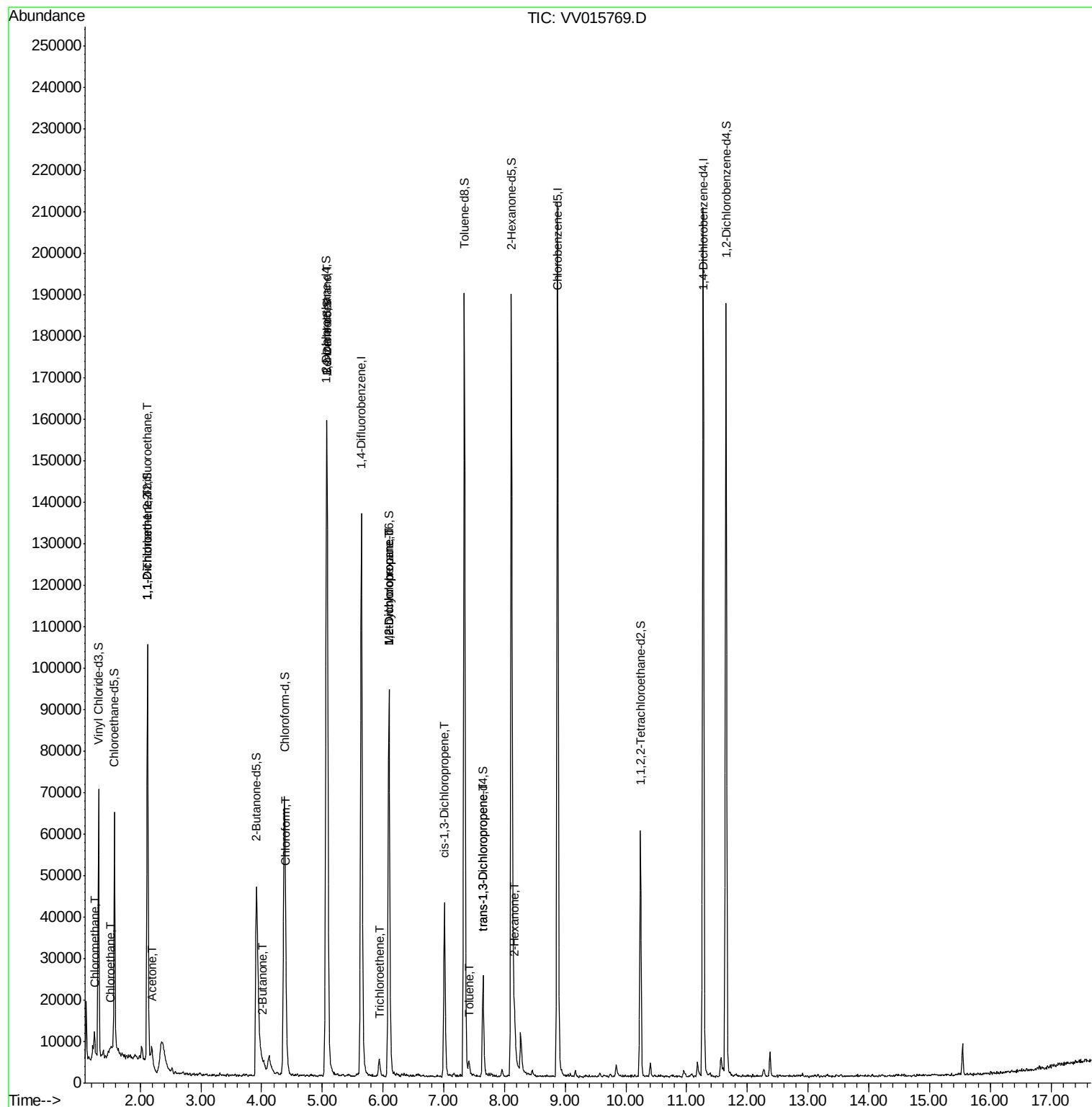
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

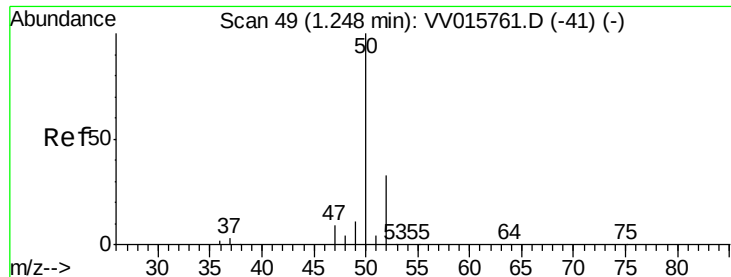
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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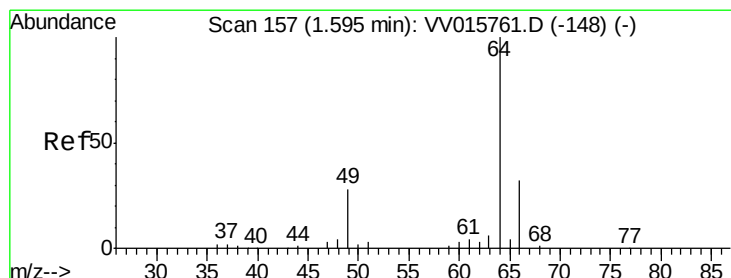
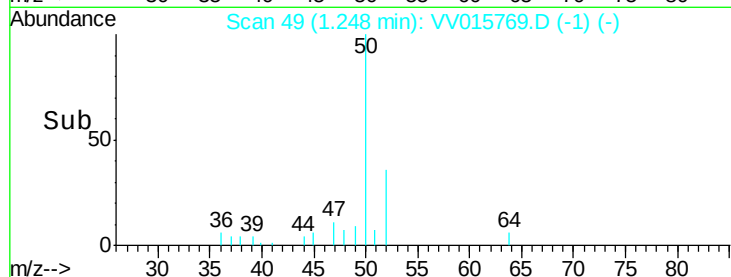
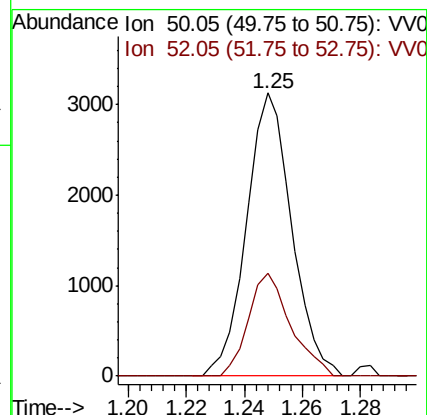
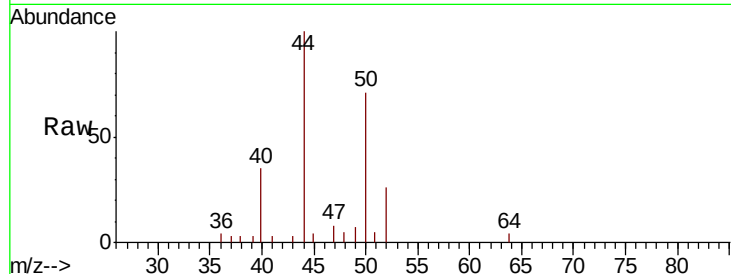




#3
Chloromethane
Concen: 0.425 ug/L
RT: 1.25 min Scan# 49
Delta R.T. 0.00 min
Lab File: VV015769.D
Acq: 29 Apr 2020 00:40

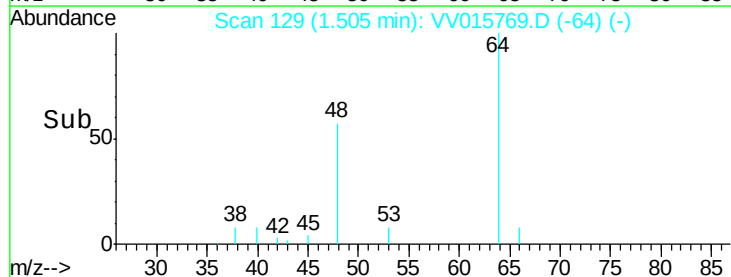
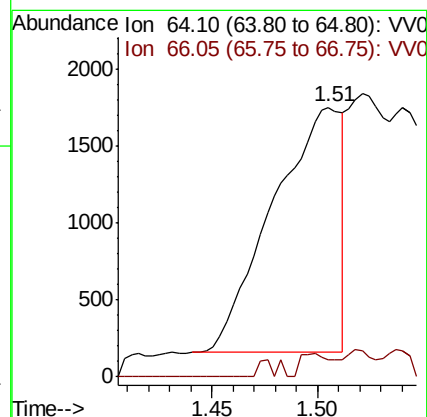
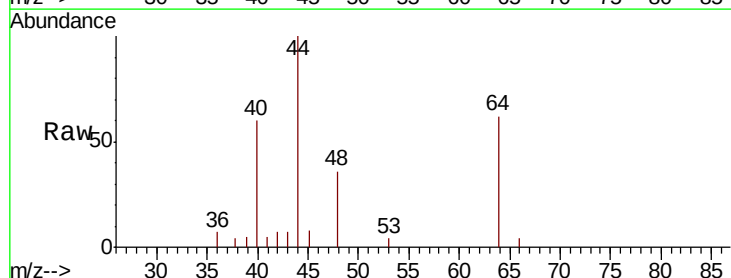
Instrument :
MSVOA_V
ClientSampled :

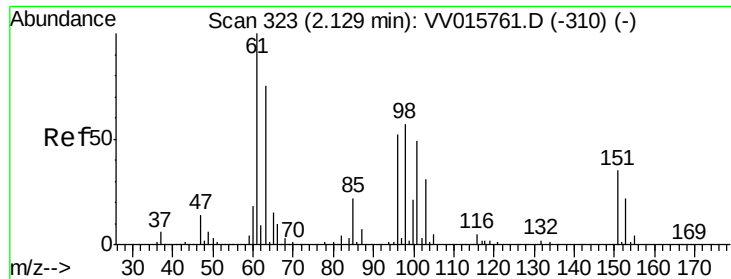
Tot Ion: 50 Resp: 3390
Ion Ratio Lower Upper
50 100
52 36.3 22.9 42.5



#8
Chloroethane
Concen: 0.647 ug/L
RT: 1.51 min Scan# 129
Delta R.T. -0.09 min
Lab File: VV015769.D
Acq: 29 Apr 2020 00:40

Tgt Ion: 64 Resp: 3621
Ion Ratio Lower Upper
64 100
66 6.3 22.3 41.5#





#10

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

Concen: 0.073 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV015769.D

Acq: 29 Apr 2020 00:40

Instrument :

MSVOA_V

ClientSampleId :

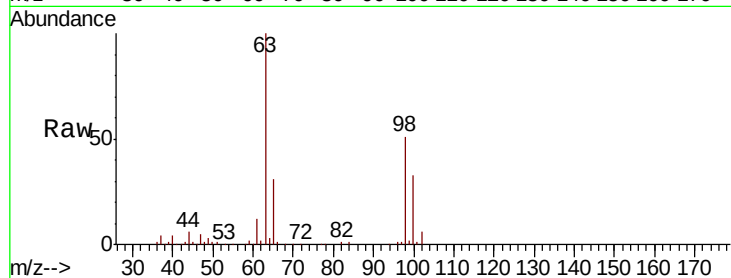
Tot Ion:101 Resp: 494

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

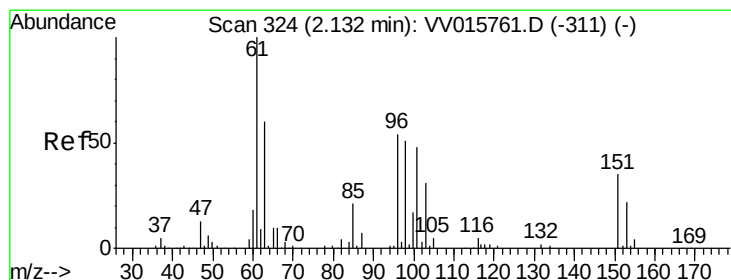
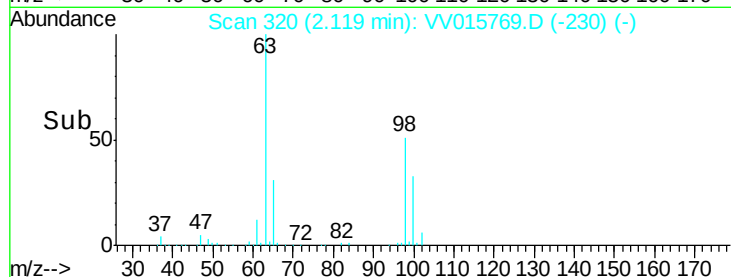
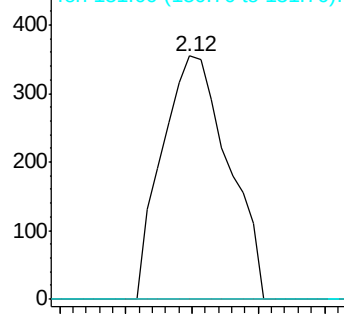
151 0.0 55.2 82.8#



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: 0.078 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV015769.D

Acq: 29 Apr 2020 00:40

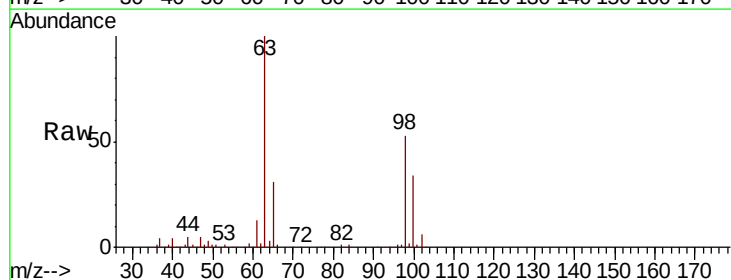
Tgt Ion: 96 Resp: 492

Ion Ratio Lower Upper

96 100

61 1332.7 130.1 241.7#

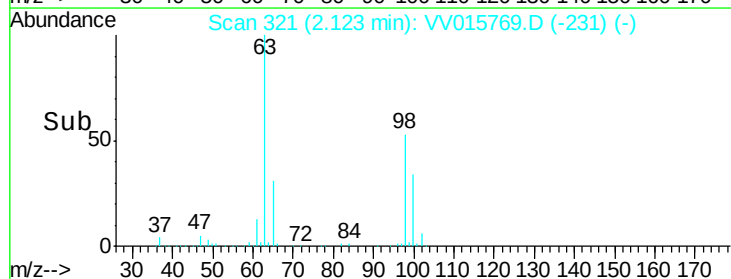
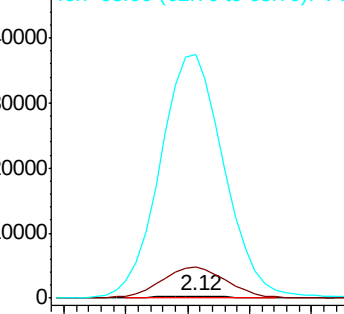
63 10544.2 91.4 169.8#

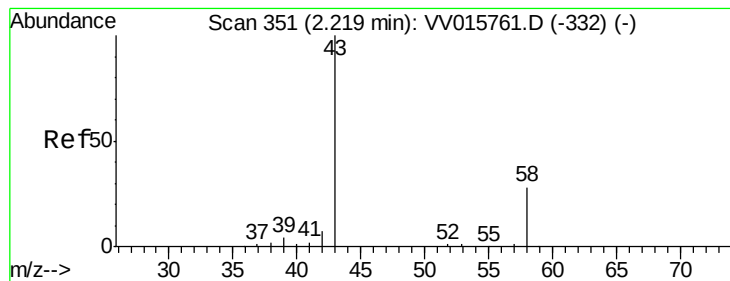


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 5.628 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.03 min

Lab File: VV015769.D

Acq: 29 Apr 2020 00:40

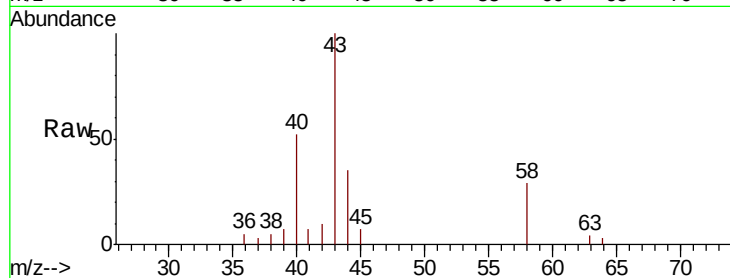
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 7064

Ion Ratio Lower Upper

43 100

58 29.3 0.0 57.6



Abundance Ion 43.05 (42.75 to 43.75): VV015769.D (-258) (-)

Ion 58.05 (57.75 to 58.75): VV015769.D (-258) (-)

2.19

3000

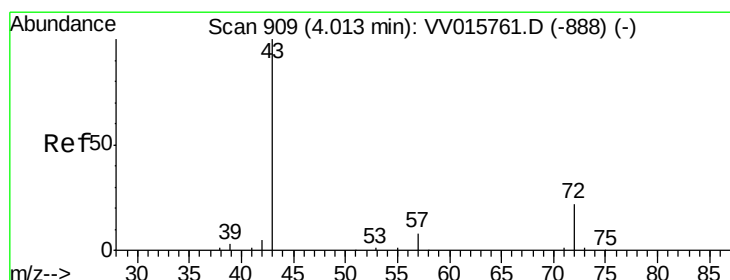
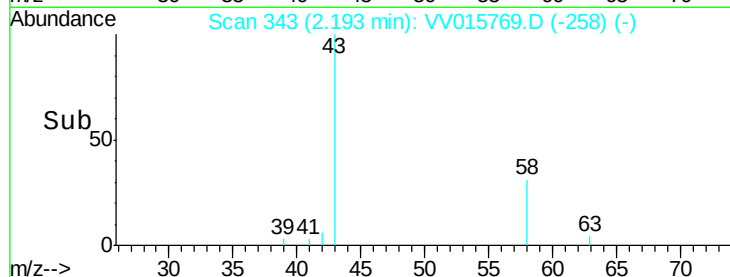
2000

1000

0

Time-->

2.10 2.15 2.20 2.25 2.30



#21

2-Butanone

Concen: 0.898 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.01 min

Lab File: VV015769.D

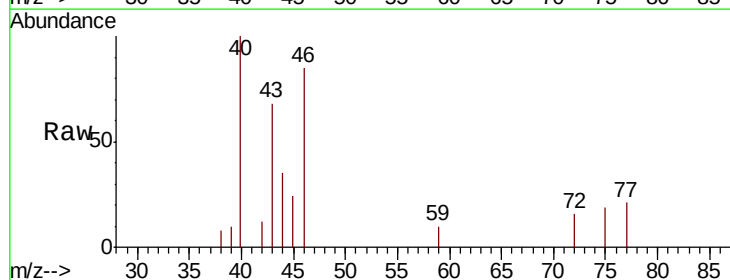
Acq: 29 Apr 2020 00:40

Tgt Ion: 43 Resp: 1739

Ion Ratio Lower Upper

43 100

72 27.9 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV015769.D (-816) (-)

Ion 72.00 (71.70 to 72.70): VV015769.D (-816) (-)

4.02

2000

1500

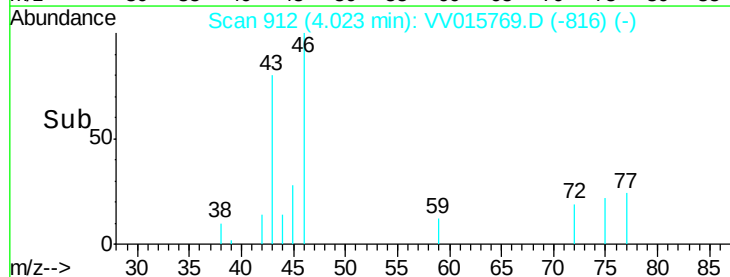
1000

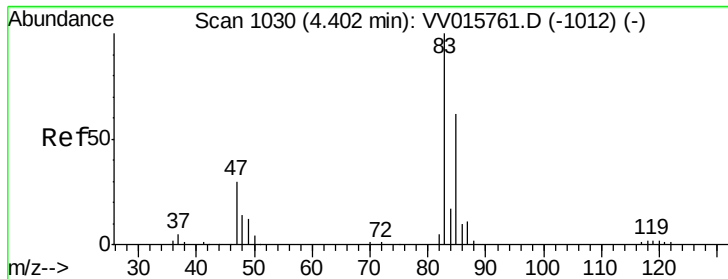
500

0

Time-->

4.00 4.05

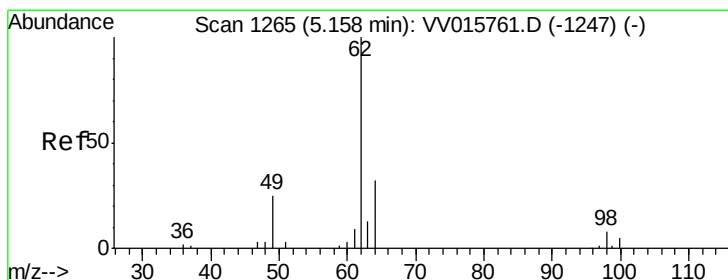
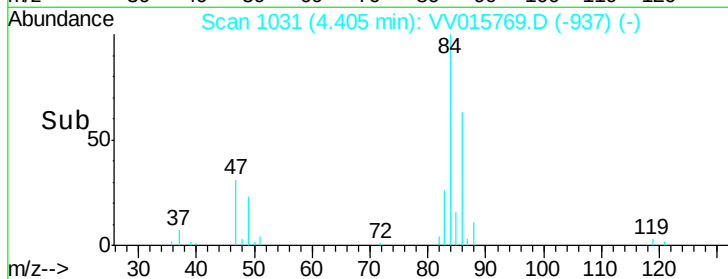
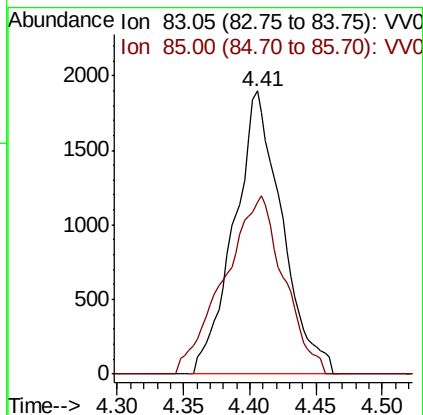
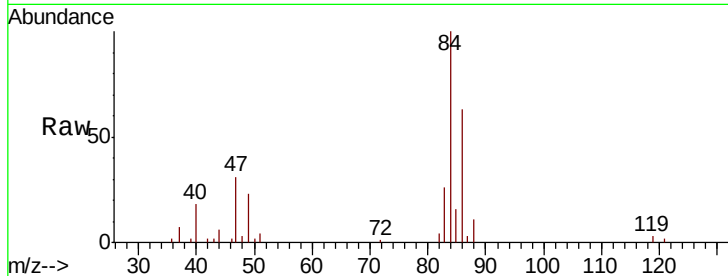




#25
Chloroform
Concen: 0.326 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015769.D
Acq: 29 Apr 2020 00:40

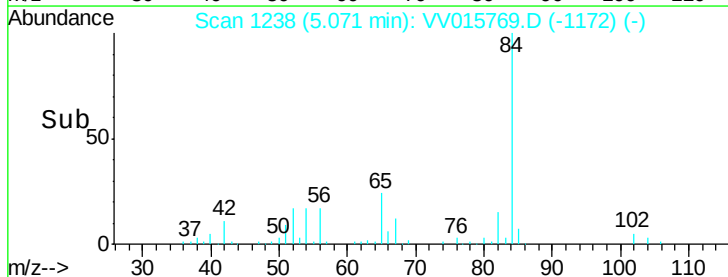
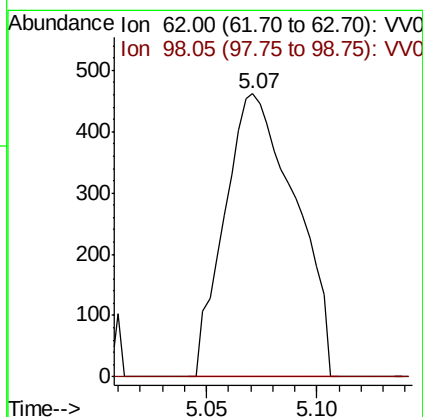
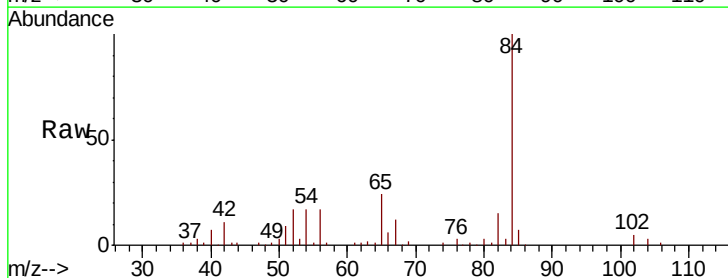
Instrument :
MSVOA_V
ClientSampleId :

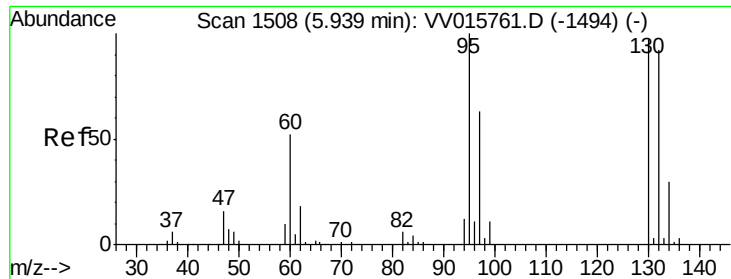
Tot Ion: 83 Resp: 4770
Ion Ratio Lower Upper
83 100
85 60.9 46.1 85.5



#27
1,2-Dichloroethane
Concen: 0.107 ug/L
RT: 5.07 min Scan# 1238
Delta R.T. -0.09 min
Lab File: VV015769.D
Acq: 29 Apr 2020 00:40

Tgt Ion: 62 Resp: 1025
Ion Ratio Lower Upper
62 100
98 0.0 6.3 9.5#





#34

Trichloroethene

Concen: 0.112 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.02 min

Lab File: VV015769.D

Acq: 29 Apr 2020 00:40

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 925

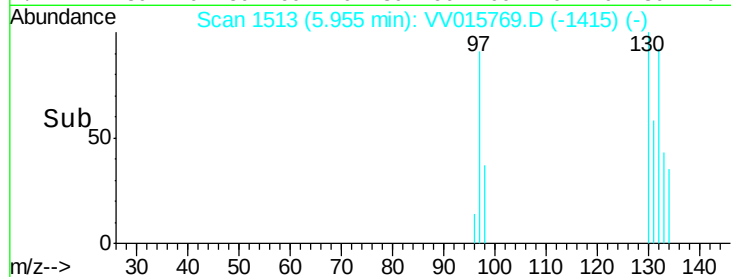
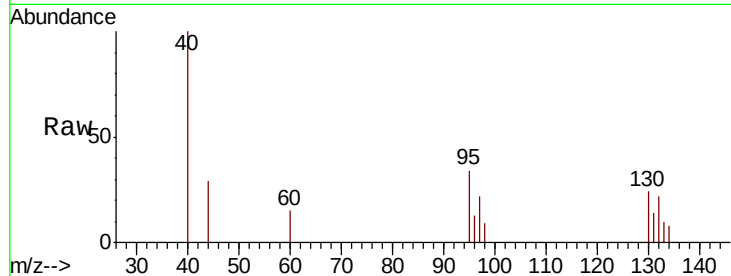
Ion Ratio Lower Upper

95 100

97 62.7 44.7 82.9

132 63.4 65.2 121.0#

130 68.9 65.0 120.6



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

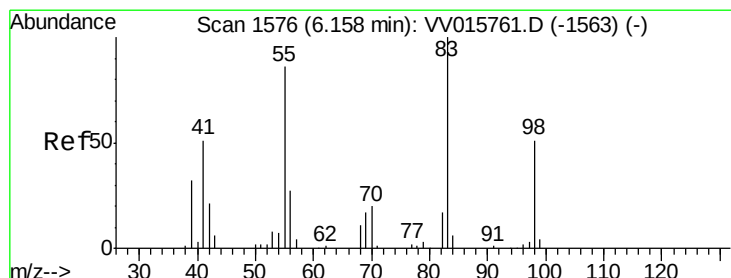
5.96

400

200

0

Time-->



#35

Methylcyclohexane

Concen: 0.834 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.06 min

Lab File: VV015769.D

Acq: 29 Apr 2020 00:40

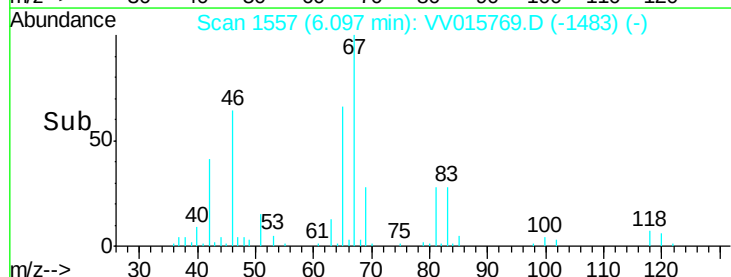
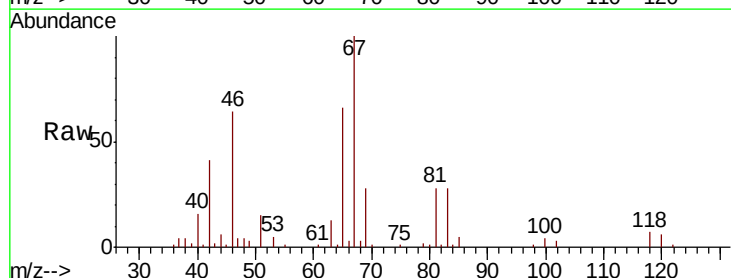
Tgt Ion: 83 Resp: 10612

Ion Ratio Lower Upper

83 100

55 1.0 66.6 99.8#

98 0.6 39.5 59.3#



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

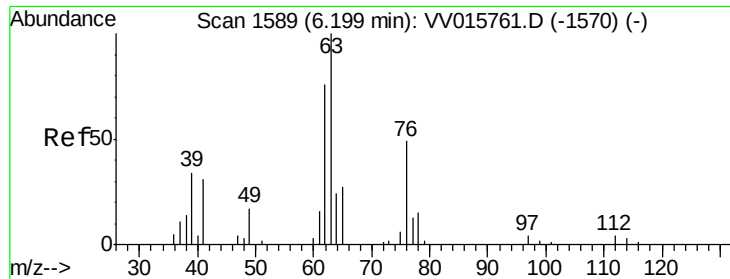
6.10

4000

2000

0

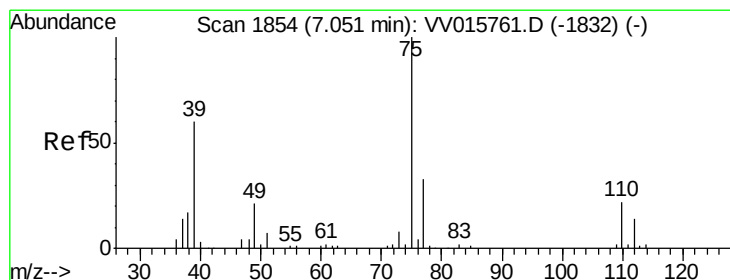
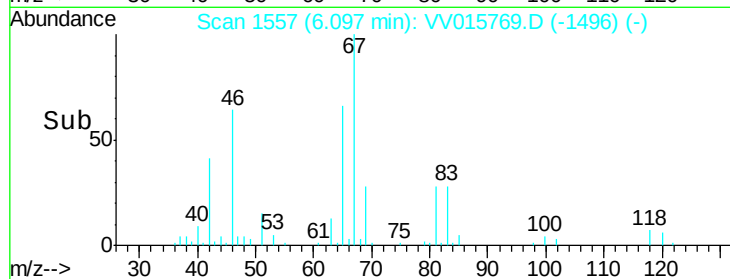
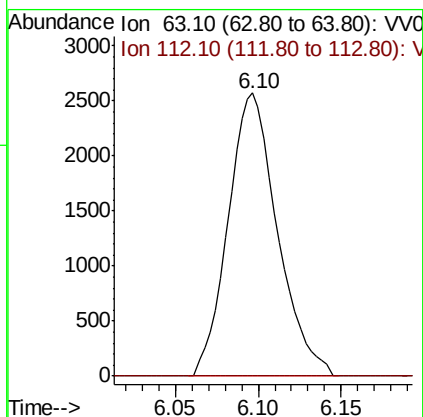
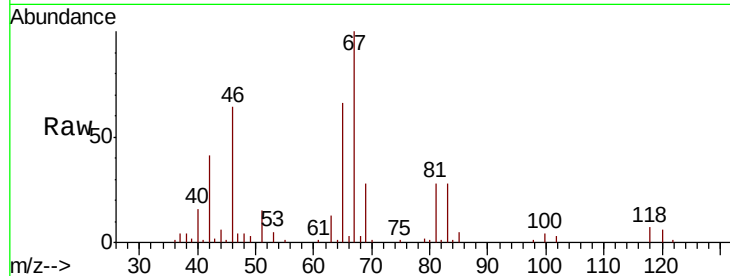
Time-->



#37
 1,2-Dichloropropane
 Concen: 0.697 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV015769.D
 Acq: 29 Apr 2020 00:40

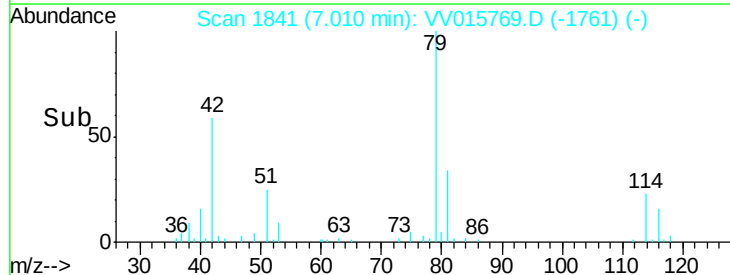
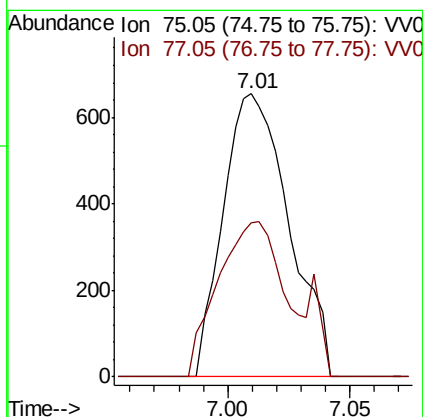
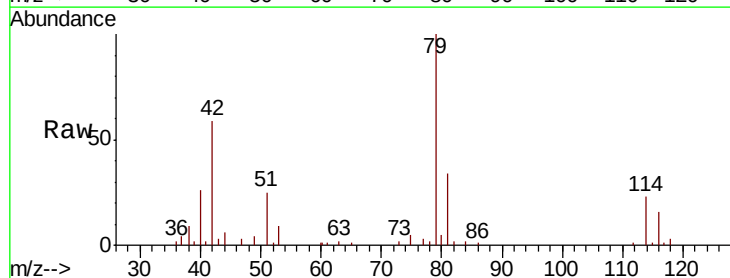
Instrument :
 MSVOA_V
 ClientSampleId :

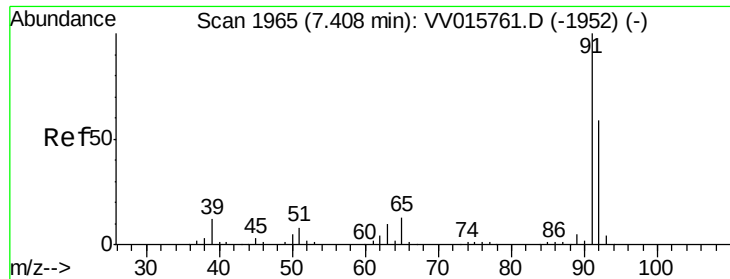
Tot Ion: 63 Resp: 5318
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.115 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV015769.D
 Acq: 29 Apr 2020 00:40

Tgt Ion: 75 Resp: 1223
 Ion Ratio Lower Upper
 75 100
 77 54.4 22.3 41.5#





#42

Toluene

Concen: 0.062 ug/L

RT: 7.42 min Scan# 1968

Delta R.T. 0.01 min

Lab File: VV015769.D

Acq: 29 Apr 2020 00:40

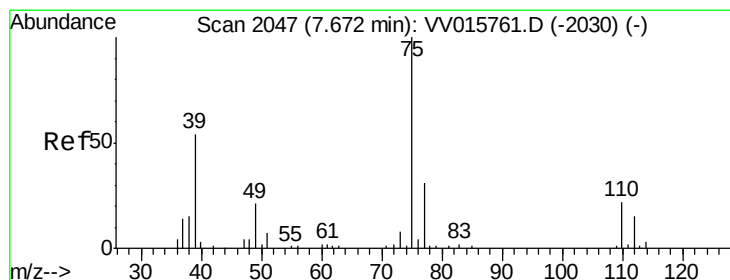
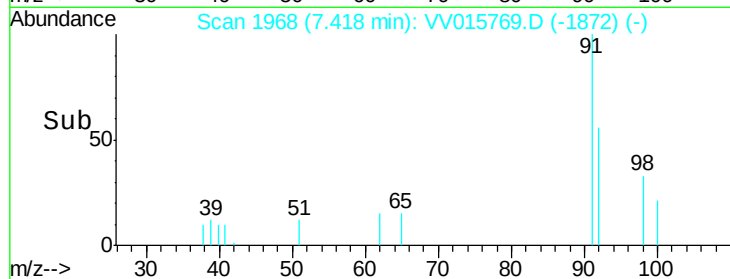
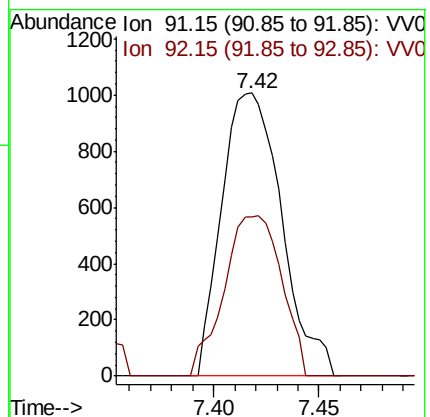
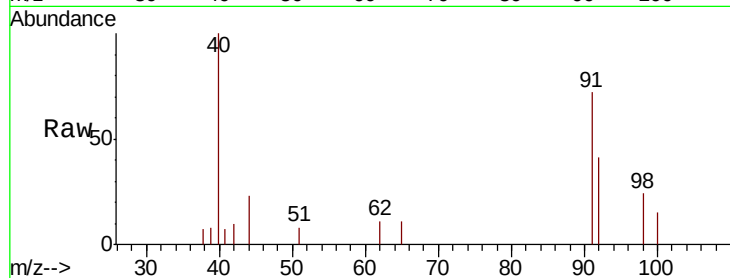
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 1992

Ion Ratio Lower Upper

91 100

92 56.1 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 0.074 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV015769.D

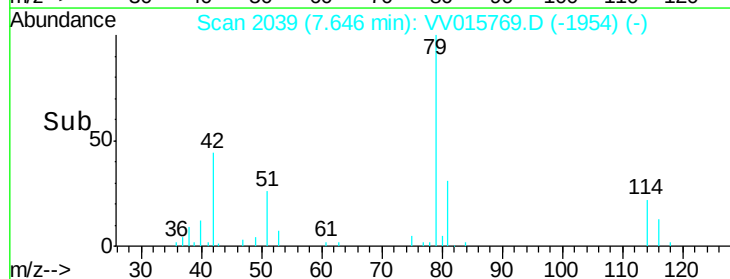
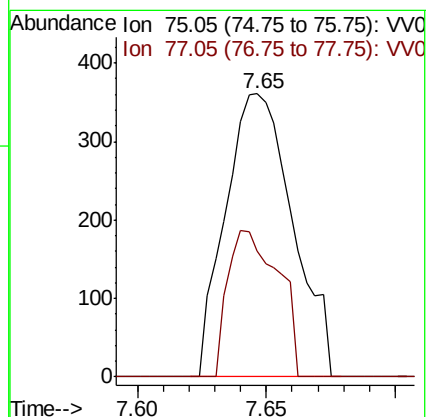
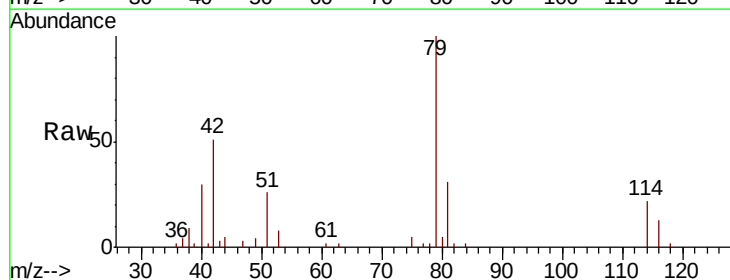
Acq: 29 Apr 2020 00:40

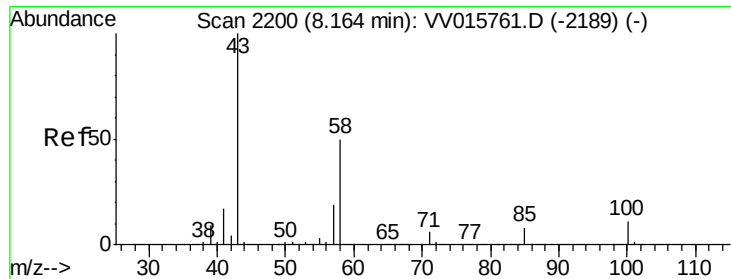
Tgt Ion: 75 Resp: 657

Ion Ratio Lower Upper

75 100

77 44.6 21.8 40.6#





#48
 2-Hexanone
 Concen: 1.775 ug/L
 RT: 8.17 min Scan# 2201
 Delta R.T. 0.00 min
 Lab File: VV015769.D
 Acq: 29 Apr 2020 00:40

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 43 Resp: 6265
 Ion Ratio Lower Upper
 43 100
 58 36.4 41.1 61.7#
 57 19.4 15.0 22.4
 100 5.4 9.0 13.4#

