

Data File : VV011486.D
Acq On : 14 Jun 2019 04:28
Operator : SY/MD
Sample : K3313-11
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COLZ1

Quant Time: Jun 14 06:11:11 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	132727	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	119672	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	43140	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48775	4.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.00%
7) Chloroethane-d5	1.58	69	42782	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.40%
11) 1,1-Dichloroethene-d2	2.13	63	77420	3.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.00%
20) 2-Butanone-d5	3.96	46	111237	49.13	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.26%
24) Chloroform-d	4.40	84	87088	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.08	65	48655	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.10	84	175418	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.12	67	54410	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.36	98	154254	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	7.67	79	14361	3.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.40%
46) 2-Hexanone-d5	8.14	63	86481	48.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.40%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	34935	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	44611	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

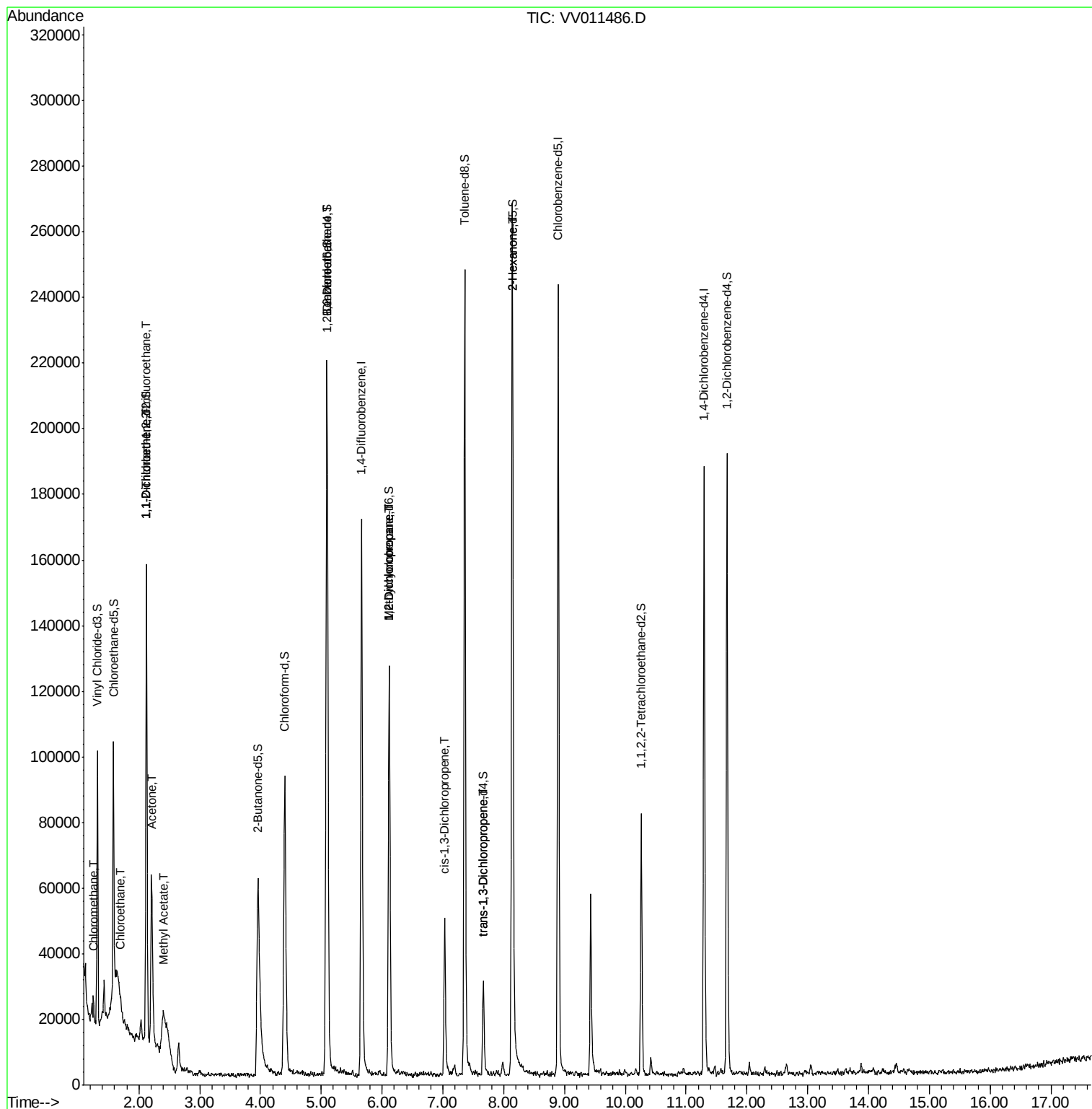
						Qvalue
3) Chloromethane	1.25	50	4810	0.380	ug/L	97
8) Chloroethane	1.70	64	859	0.110	ug/L #	62
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	807	0.094	ug/L #	35
12) 1,1-Dichloroethene	2.13	96	1590	0.190	ug/L #	1
13) Acetone	2.22	43	48225	31.766	ug/L	96
15) Methyl Acetate	2.41	43	5384	1.335	ug/L #	55
27) 1,2-Dichloroethane	5.10	62	1525	0.131	ug/L #	76
35) Methylcyclohexane	6.12	83	12625	0.776	ug/L #	17
37) 1,2-Dichloropropane	6.12	63	7093	0.748	ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	1375	0.099	ug/L #	71
44) trans-1,3-Dichloropropene	7.66	75	903	0.086	ug/L #	64
48) 2-Hexanone	8.14	43	27909	6.630	ug/L #	59

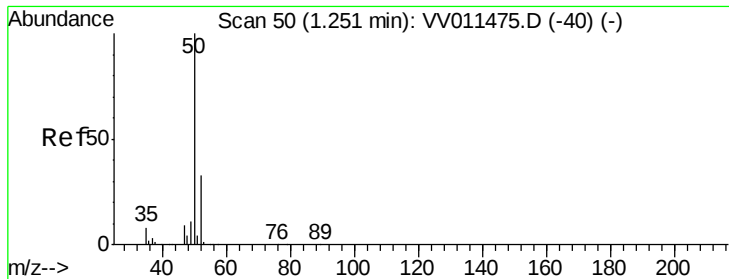
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.380 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV011486.D

Acq: 14 Jun 2019 04:28

Instrument :

MSVOA_V

ClientSampled :

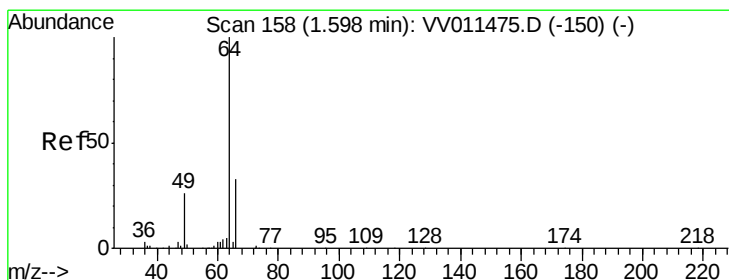
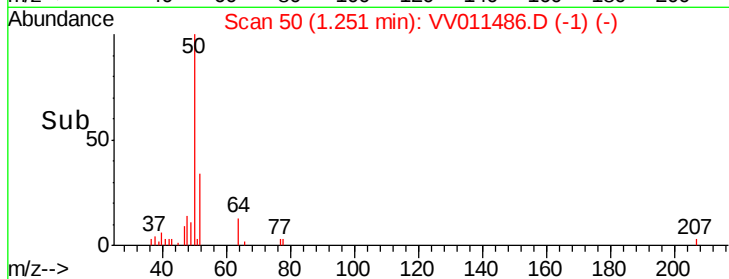
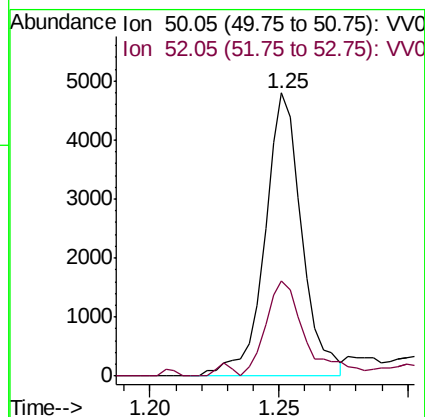
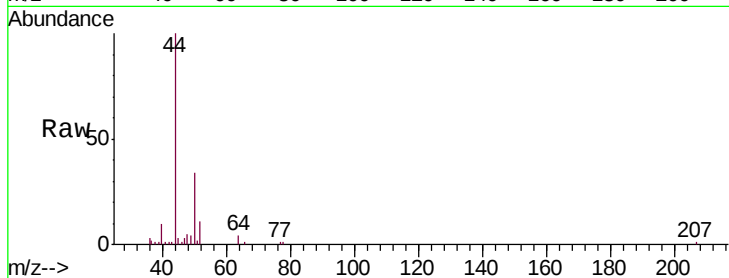
COLZ1

Tgt Ion: 50 Resp: 4810

Ion Ratio Lower Upper

50 100

52 33.8 22.3 41.5



#8

Chloroethane

Concen: 0.110 ug/L

RT: 1.70 min Scan# 190

Delta R.T. 0.10 min

Lab File: VV011486.D

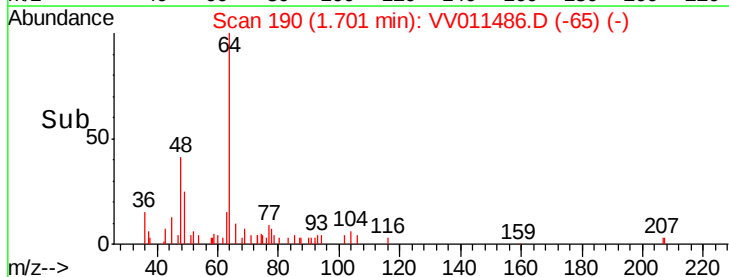
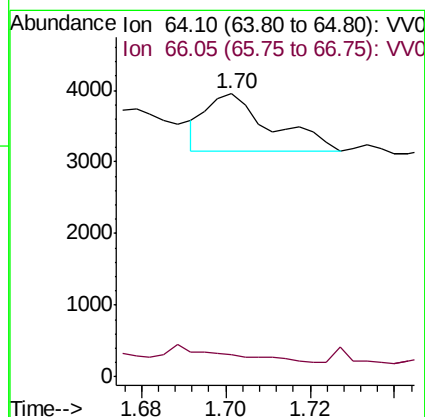
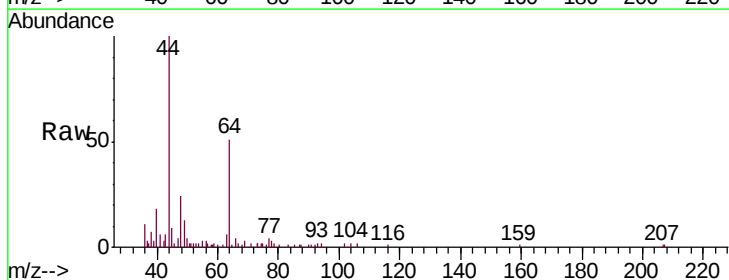
Acq: 14 Jun 2019 04:28

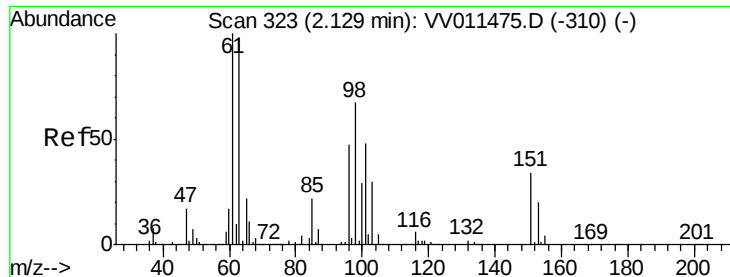
Tgt Ion: 64 Resp: 859

Ion Ratio Lower Upper

64 100

66 7.6 19.4 36.0#





#10

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

Concen: 0.094 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV011486.D

Acq: 14 Jun 2019 04:28

Instrument :

MSVOA_V

ClientSampleId :

COLZ1

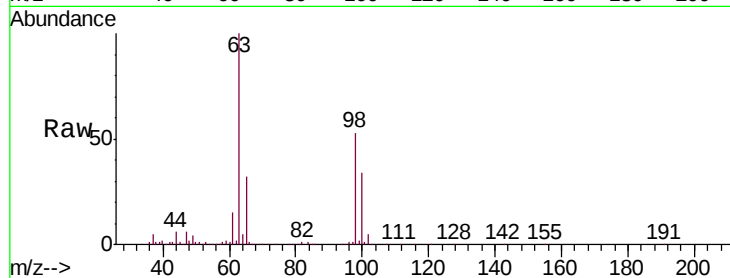
Tgt Ion: 101 Resp: 807

Ion Ratio Lower Upper

101 100

85 23.7 35.5 53.3#

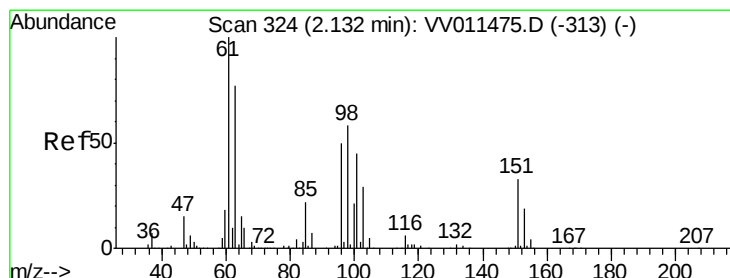
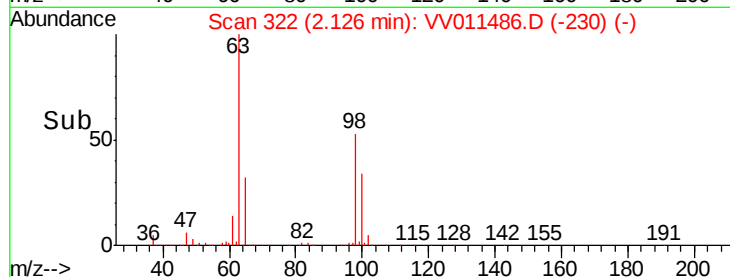
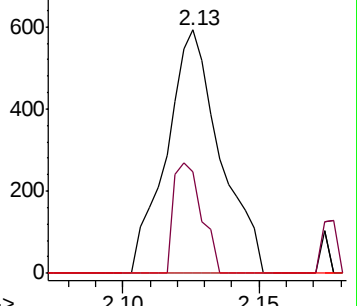
151 0.0 56.9 85.3#



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: 0.190 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV011486.D

Acq: 14 Jun 2019 04:28

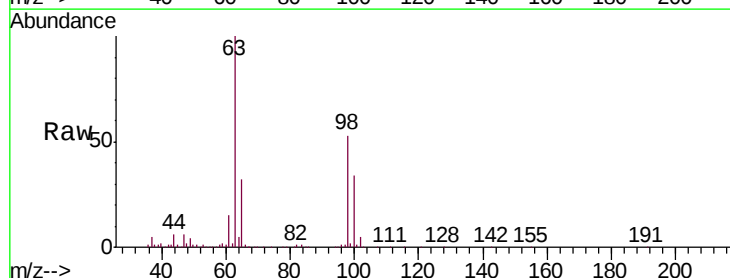
Tgt Ion: 96 Resp: 1590

Ion Ratio Lower Upper

96 100

61 982.2 139.8 259.6#

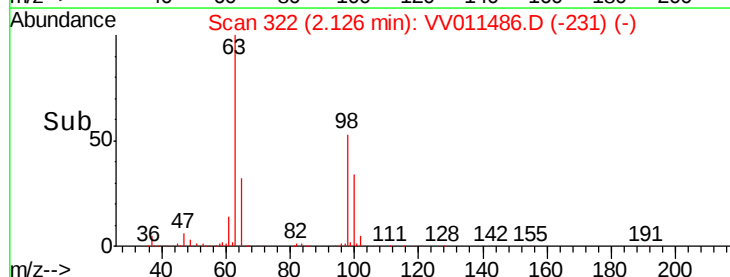
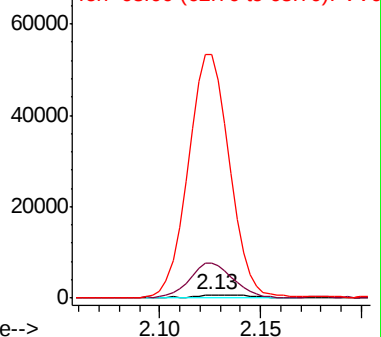
63 6745.3 94.3 175.1#

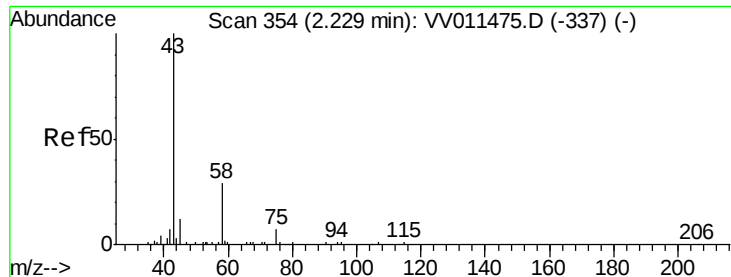


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 31.766 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.01 min

Lab File: VV011486.D

Acq: 14 Jun 2019 04:28

Instrument :

MSVOA_V

ClientSampleId :

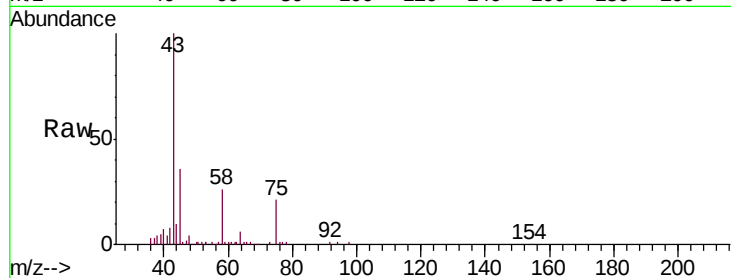
C0LZ1

Tgt Ion: 43 Resp: 48225

Ion Ratio Lower Upper

43 100

58 25.4 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV011475.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV011475.D (-337) (-)

2.22

25000

20000

15000

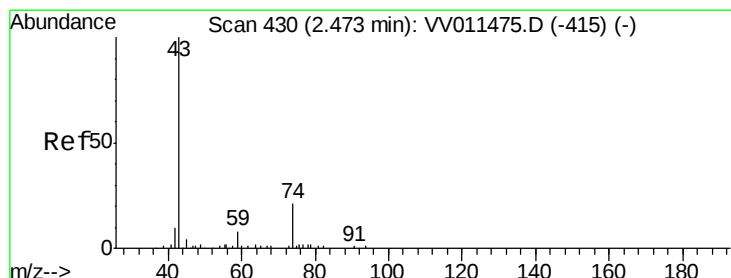
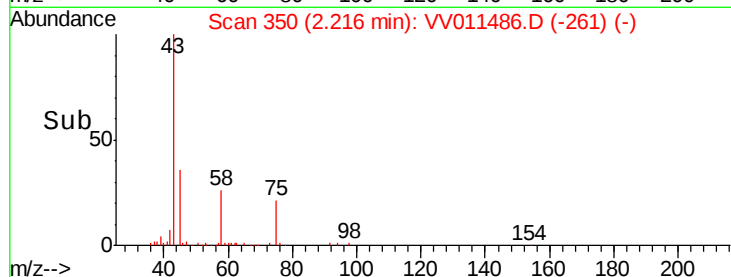
10000

5000

0

2.15 2.20 2.25 2.30

Time-->



#15

Methyl Acetate

Concen: 1.335 ug/L

RT: 2.41 min Scan# 409

Delta R.T. -0.07 min

Lab File: VV011486.D

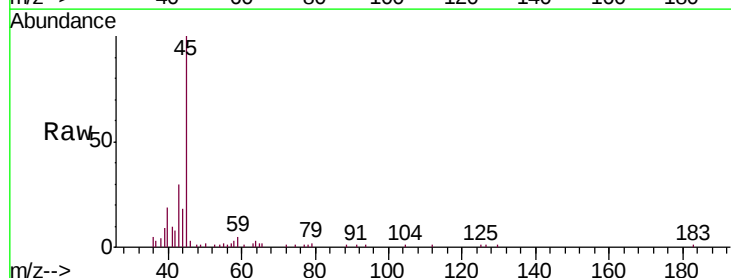
Acq: 14 Jun 2019 04:28

Tgt Ion: 43 Resp: 5384

Ion Ratio Lower Upper

43 100

74 1.3 18.5 27.7#



Abundance Ion 43.05 (42.75 to 43.75): VV011475.D (-415) (-)

Ion 74.05 (73.75 to 74.75): VV011475.D (-415) (-)

2.41

3000

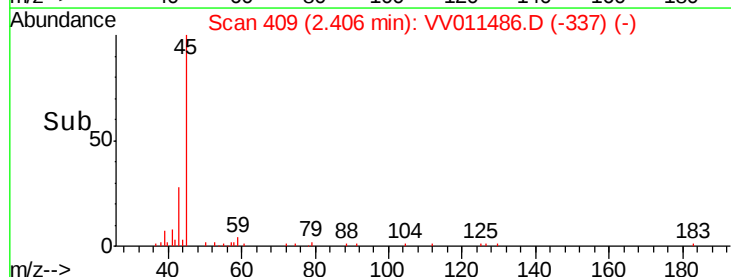
2000

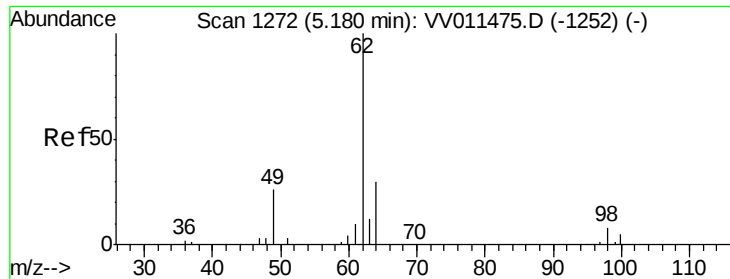
1000

0

2.30 2.35 2.40

Time-->

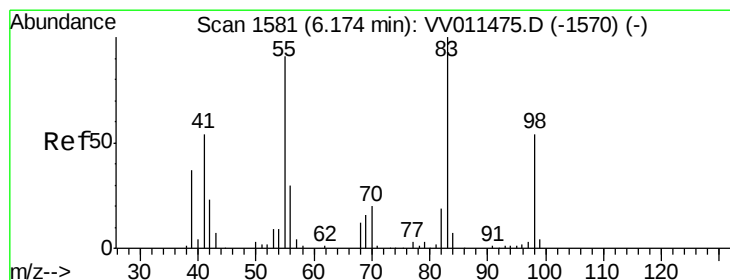
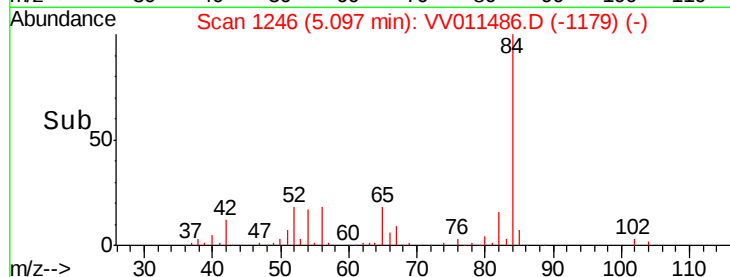
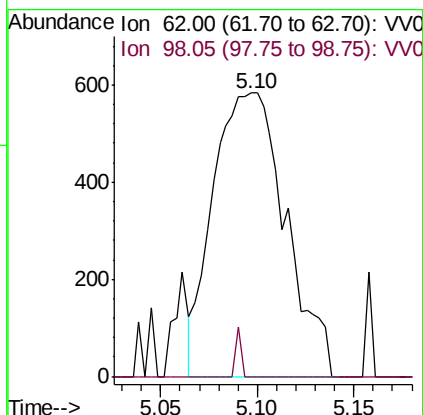
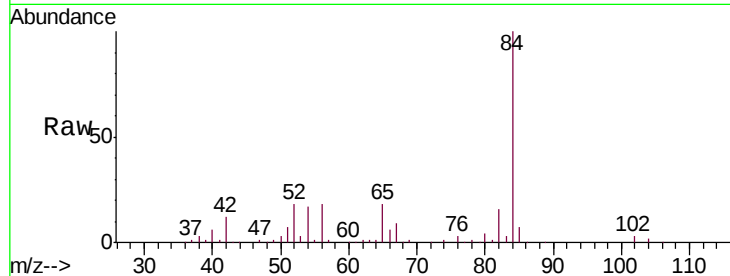




#27
 1,2-Dichloroethane
 Concen: 0.131 ug/L
 RT: 5.10 min Scan# 1246
 Delta R.T. -0.08 min
 Lab File: VV011486.D
 Acq: 14 Jun 2019 04:28

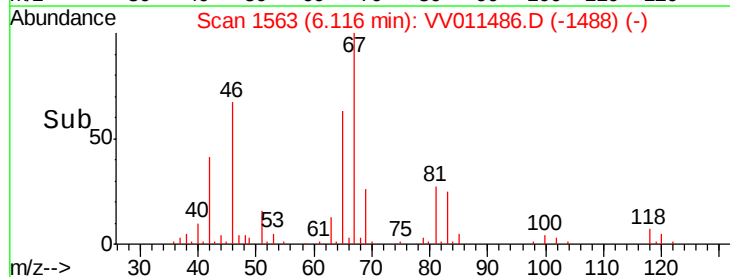
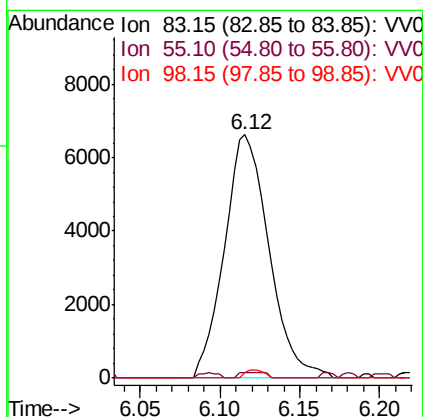
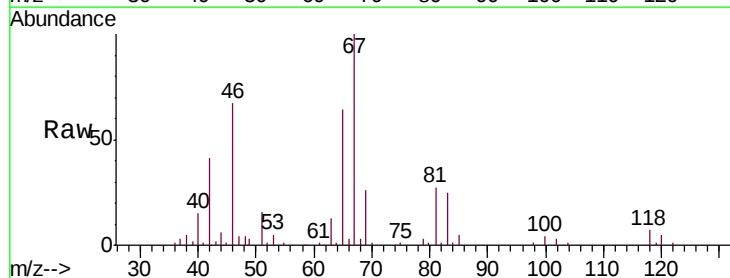
Instrument :
 MSVOA_V
 ClientSampleId :
 COLZ1

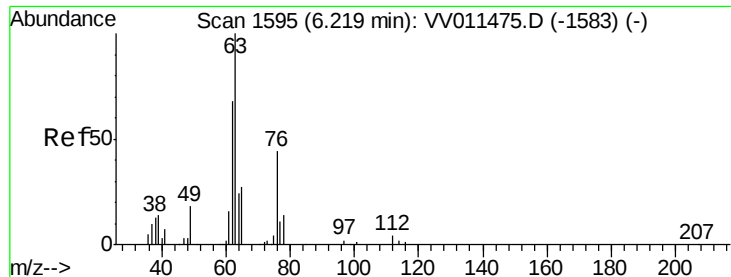
Tgt Ion: 62 Resp: 1525
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.9 10.3#



#35
 Methylcyclohexane
 Concen: 0.776 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.06 min
 Lab File: VV011486.D
 Acq: 14 Jun 2019 04:28

Tgt Ion: 83 Resp: 12625
 Ion Ratio Lower Upper
 83 100
 55 1.4 67.0 100.6#
 98 1.3 40.0 60.0#





#37

1,2-Dichloropropane

Concen: 0.748 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV011486.D

Acq: 14 Jun 2019 04:28

Instrument :

MSVOA_V

ClientSampleId :

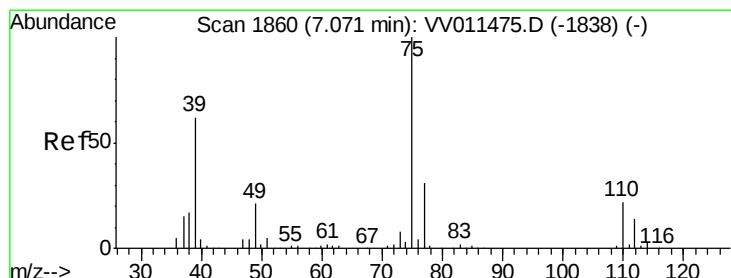
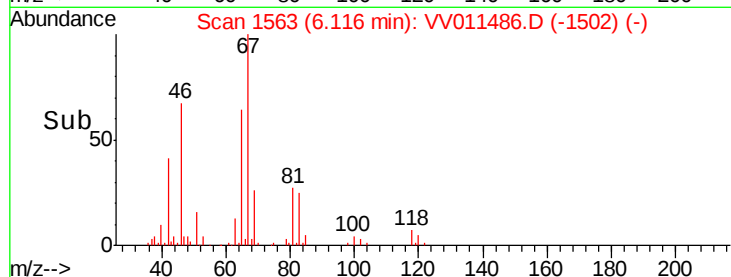
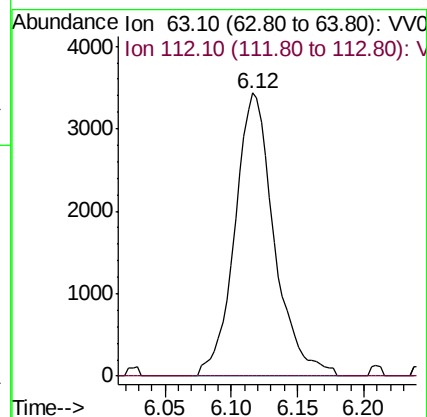
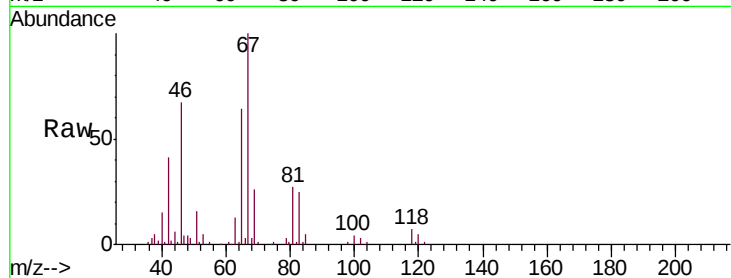
COLZ1

Tgt Ion: 63 Resp: 7093

Ion Ratio Lower Upper

63 100

112 0.0 3.6 5.4#



#39

cis-1,3-Dichloropropene

Concen: 0.099 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.04 min

Lab File: VV011486.D

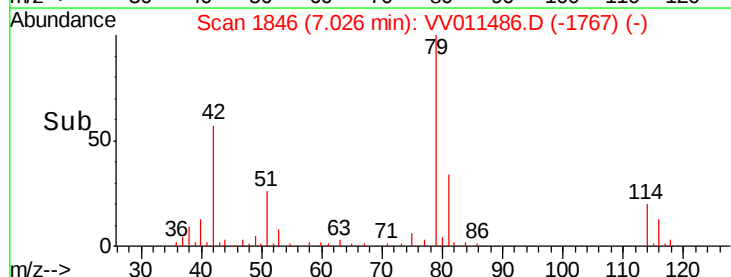
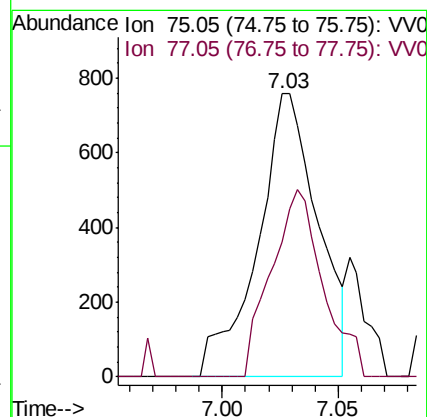
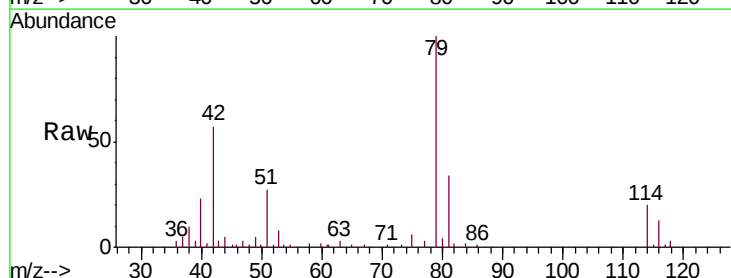
Acq: 14 Jun 2019 04:28

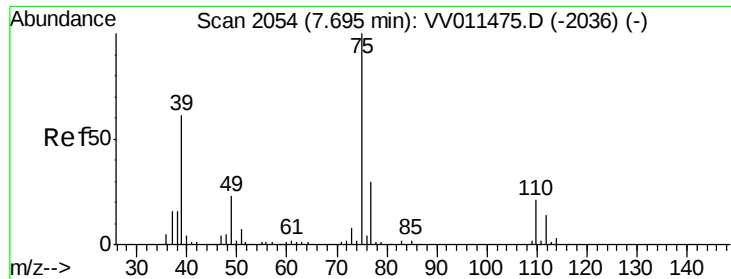
Tgt Ion: 75 Resp: 1375

Ion Ratio Lower Upper

75 100

77 47.8 22.2 41.2#





#44

trans-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV011486.D

Acq: 14 Jun 2019 04:28

Instrument :

MSVOA_V

ClientSampleId :

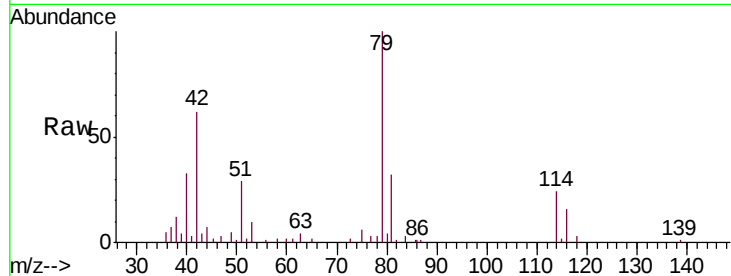
COLZ1

Tgt Ion: 75 Resp: 903

Ion Ratio Lower Upper

75 100

77 53.4 23.1 42.9#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

500

400

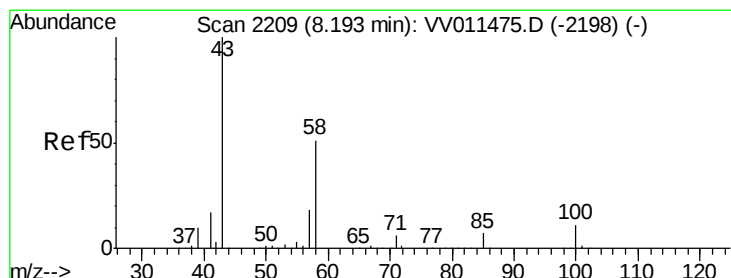
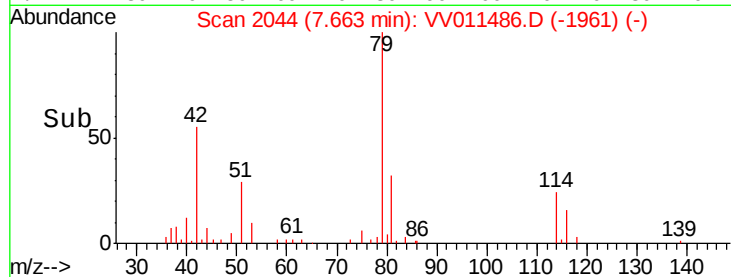
300

200

100

0

Time--> 7.60 7.65 7.70



#48

2-Hexanone

Concen: 6.630 ug/L

RT: 8.14 min Scan# 2191

Delta R.T. -0.06 min

Lab File: VV011486.D

Acq: 14 Jun 2019 04:28

Tgt Ion: 43 Resp: 27909

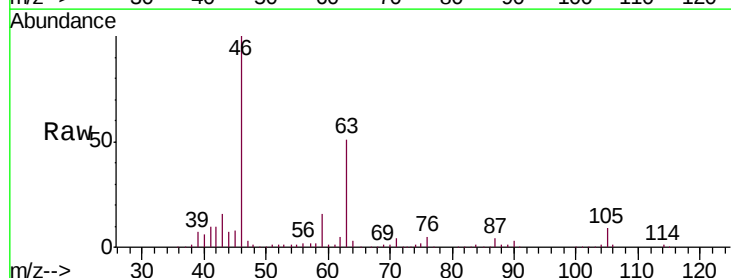
Ion Ratio Lower Upper

43 100

58 13.9 41.4 62.0#

57 12.2 15.0 22.4#

100 0.5 9.0 13.4#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

20000

15000

10000

5000

0

Time--> 8.05 8.10 8.15 8.20 8.25

