

Data File : VV008085.D
Acq On : 05 Oct 2018 02:04
Operator : SY/MD
Sample : J5246-19
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0J87

Quant Time: Oct 05 06:00:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 05 05:56:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	75911	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	72285	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	35371	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	15847	3.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.80%
7) Chloroethane-d5	1.59	69	16382	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.20%
11) 1,1-Dichloroethene-d2	2.14	63	27396	2.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.60%#
20) 2-Butanone-d5	3.97	46	69057	56.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.84%
24) Chloroform-d	4.41	84	47807	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
26) 1,2-Dichloroethane-d4	5.09	65	25177	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.10	84	86784	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.12	67	29848	5.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.20%
41) Toluene-d8	7.36	98	76344	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	7.67	79	9249	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
46) 2-Hexanone-d5	8.14	63	45877	49.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.68%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	22702	5.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	34092	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

						Qvalue
5) Vinyl chloride	1.33	62	4177	0.689	ug/L	87
8) Chloroethane	1.32	64	1346	0.368	ug/L	88
12) 1,1-Dichloroethene	2.14	96	655	0.131	ug/L #	1
13) Acetone	2.22	43	3158	3.541	ug/L	81
15) Methyl Acetate	2.42	43	3185	1.396	ug/L #	51
17) Methyl tert-butyl Ether	2.81	73	1861	0.150	ug/L #	93
19) 1,1-Dichloroethane	3.23	63	1130	0.120	ug/L #	88
21) 2-Butanone	4.04	43	2272	1.599	ug/L #	58
22) cis-1,2-Dichloroethene	3.97	96	18499	3.303	ug/L	96
25) Chloroform	4.43	83	1953	0.191	ug/L	94
34) Trichloroethene	5.96	95	31164	5.258	ug/L	94
35) Methylcyclohexane	6.13	83	7024	0.790	ug/L #	19
37) 1,2-Dichloropropane	6.13	63	3290	0.622	ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	670	0.095	ug/L #	69
47) Tetrachloroethene	8.02	164	40668	7.405	ug/L	98
48) 2-Hexanone	8.14	43	7075	3.065	ug/L #	73
49) Dibromochloromethane	8.02	129	34242	7.860	ug/L #	12

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100418\
Quantitation Report (Not Reviewed)

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QLast Update : Fri Oct 05 05:56:33 2018
Response via : Initial Calibration

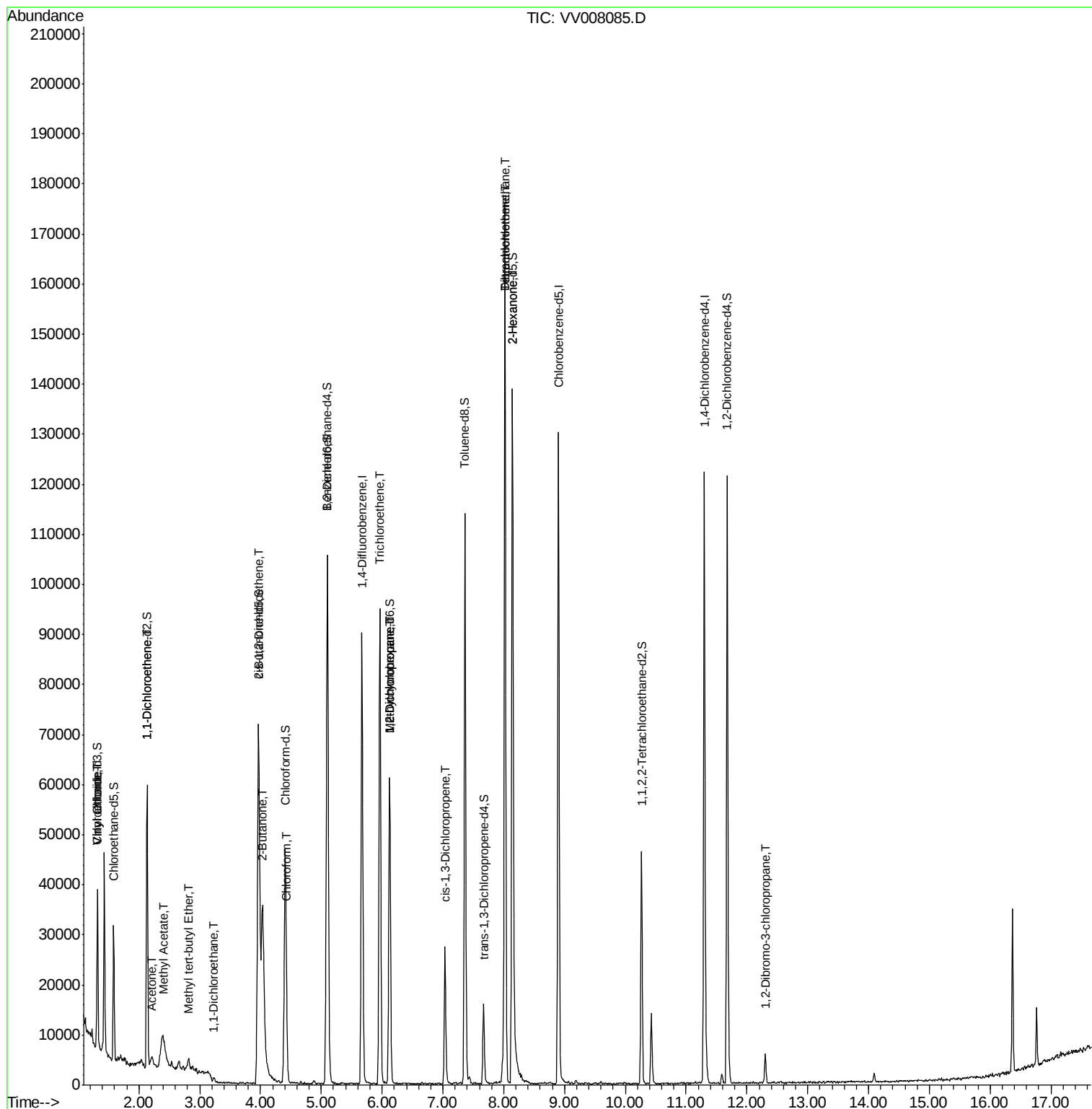
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dibromo-3-chloropropan	12.30	75	93	0.166	ug/L #	1

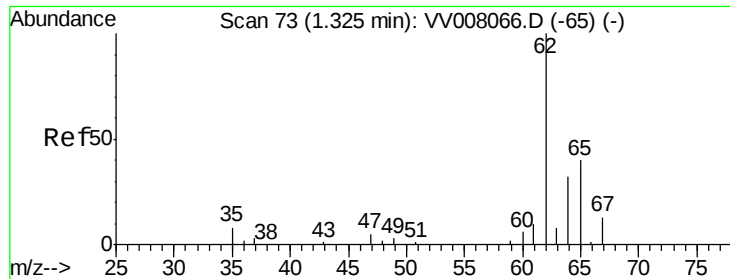
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.689 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008085.D

Acq: 05 Oct 2018 02:04

Instrument :

MSVOA_V

ClientSampled :

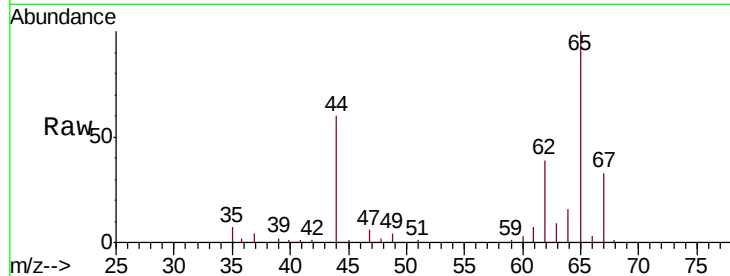
C0J87

Tgt Ion: 62 Resp: 4177

Ion Ratio Lower Upper

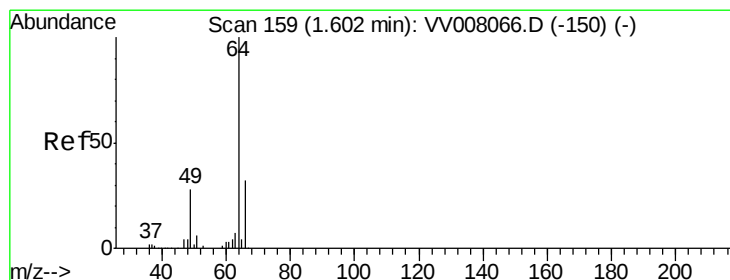
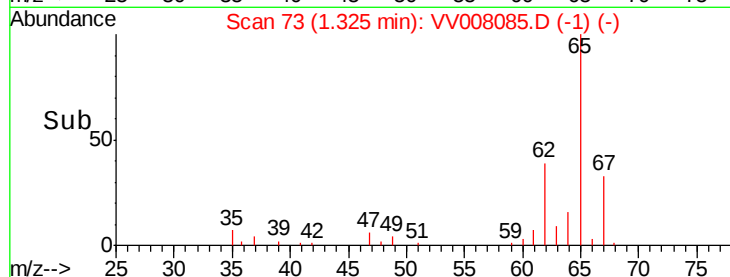
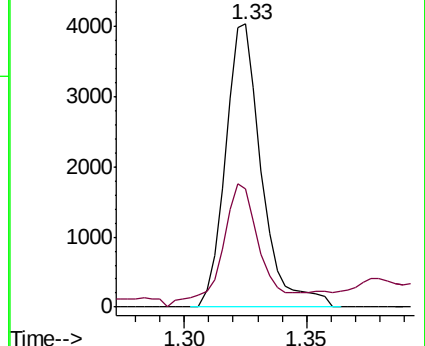
62 100

64 41.6 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#8

Chloroethane

Concen: 0.368 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV008085.D

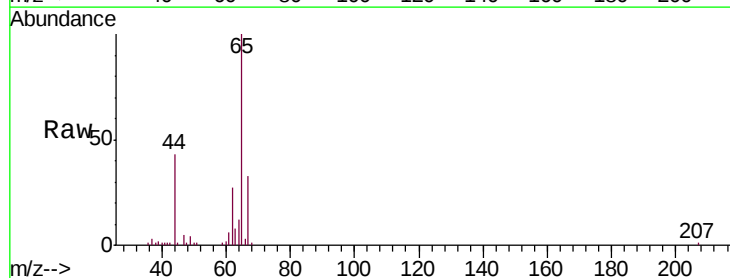
Acq: 05 Oct 2018 02:04

Tgt Ion: 64 Resp: 1346

Ion Ratio Lower Upper

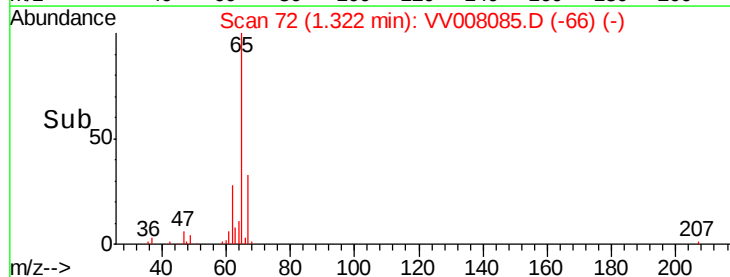
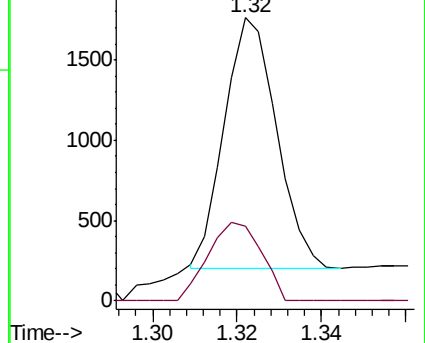
64 100

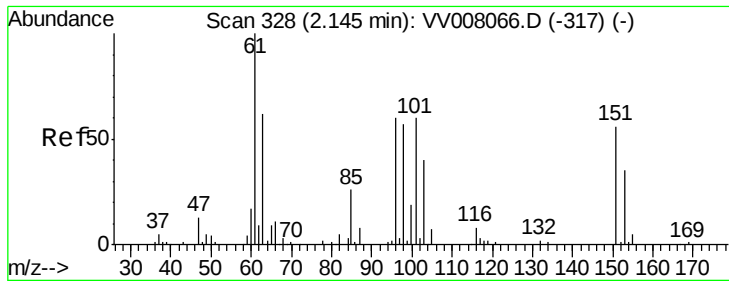
66 26.3 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#12

1,1-Dichloroethene

Concen: 0.131 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV008085.D

Acq: 05 Oct 2018 02:04

Instrument :

MSVOA_V

ClientSampled :

C0J87

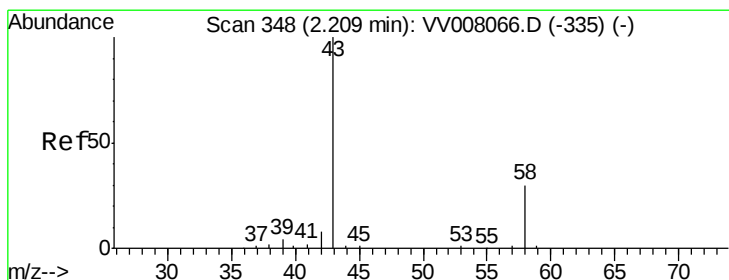
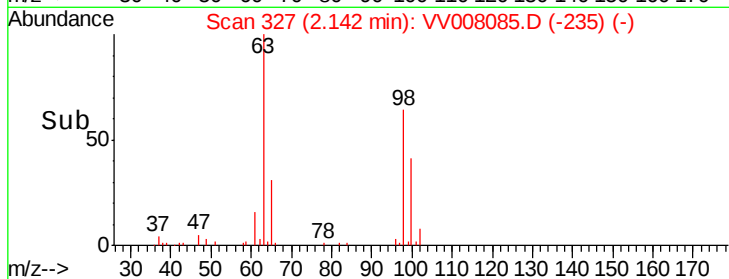
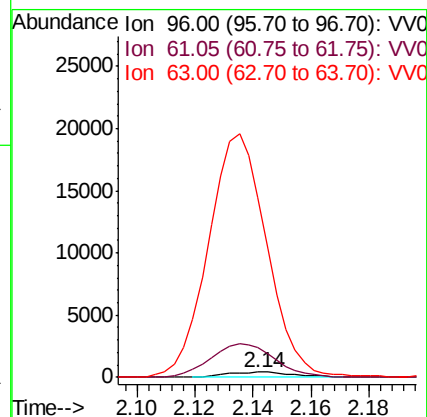
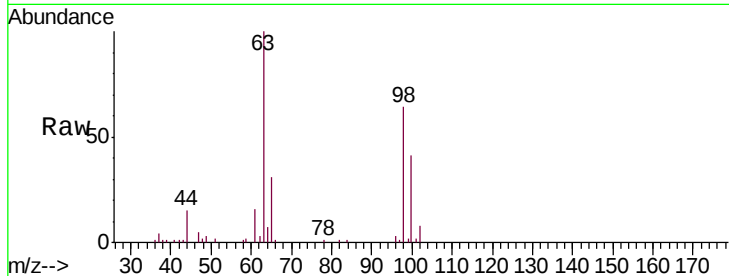
Tgt Ion: 96 Resp: 655

Ion Ratio Lower Upper

96 100

61 549.0 114.1 211.9#

63 3339.0 81.5 151.3#



#13

Acetone

Concen: 3.541 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.01 min

Lab File: VV008085.D

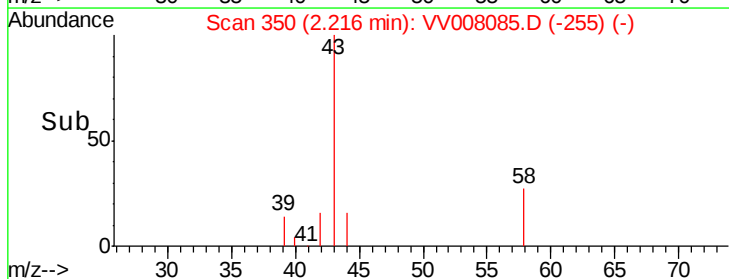
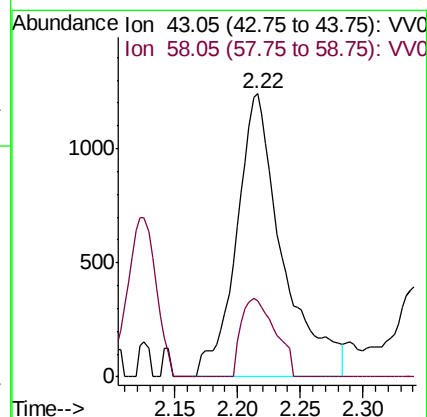
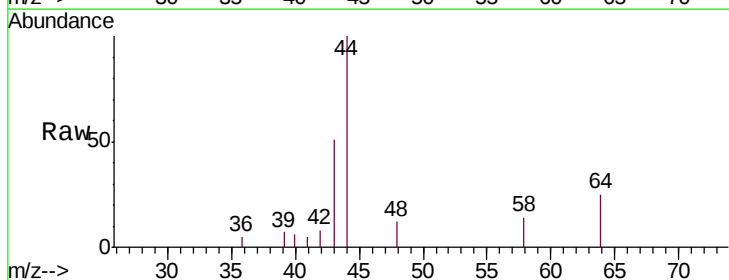
Acq: 05 Oct 2018 02:04

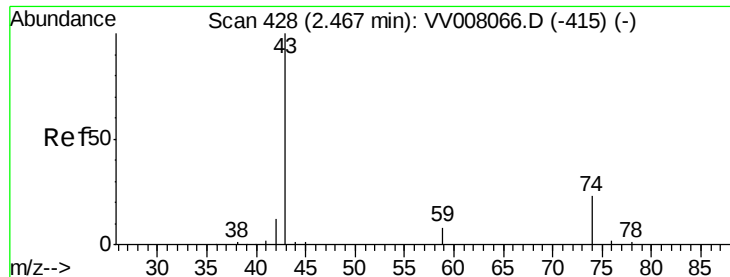
Tgt Ion: 43 Resp: 3158

Ion Ratio Lower Upper

43 100

58 20.5 0.0 62.0





#15

Methyl Acetate

Concen: 1.396 ug/L

RT: 2.42 min Scan# 412

Delta R.T. -0.05 min

Lab File: VV008085.D

Acq: 05 Oct 2018 02:04

Instrument :

MSVOA_V

ClientSampleId :

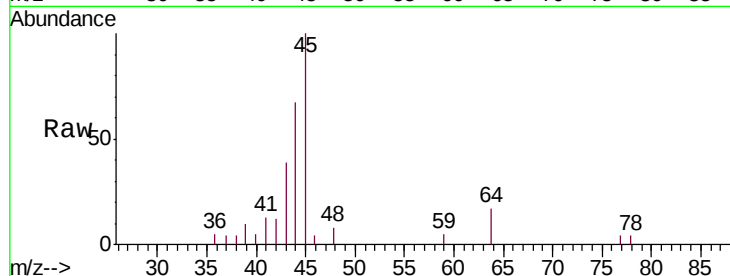
C0J87

Tgt Ion: 43 Resp: 3185

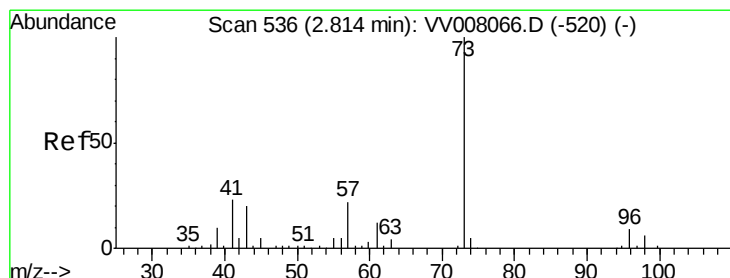
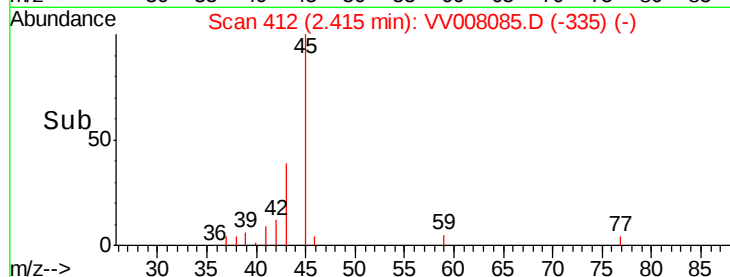
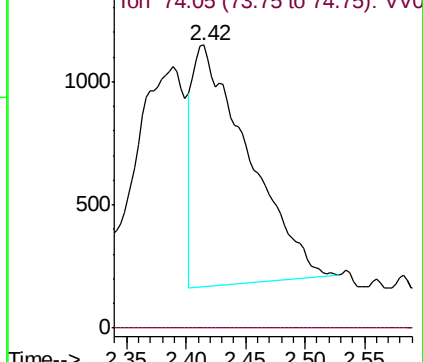
Ion Ratio Lower Upper

43 100

74 0.0 19.5 29.3#



Abundance Ion 43.05 (42.75 to 43.75): VV008085.D (-335) (-)



#17

Methyl tert-butyl Ether

Concen: 0.150 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.00 min

Lab File: VV008085.D

Acq: 05 Oct 2018 02:04

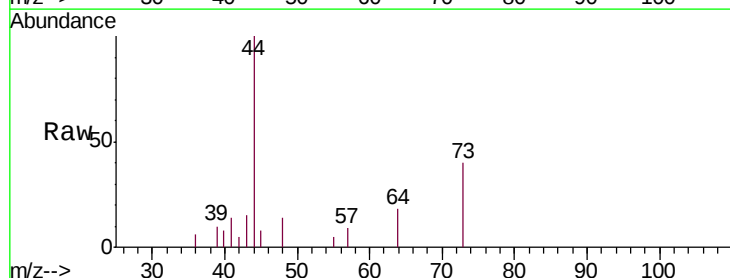
Tgt Ion: 73 Resp: 1861

Ion Ratio Lower Upper

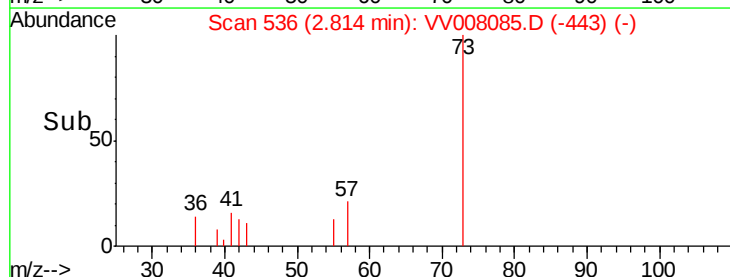
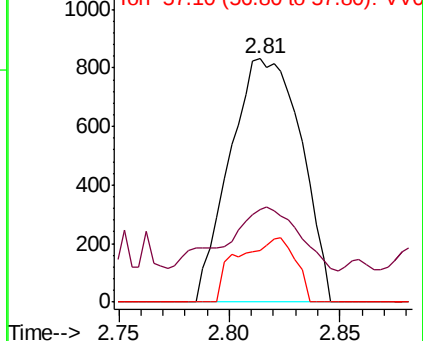
73 100

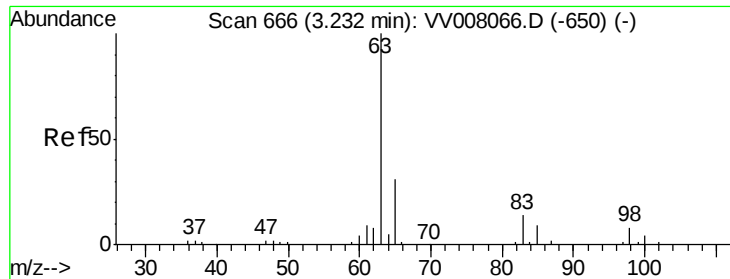
43 27.0 16.8 25.2#

57 21.1 17.6 26.4



Abundance Ion 73.10 (72.80 to 73.80): VV008085.D (-443) (-)

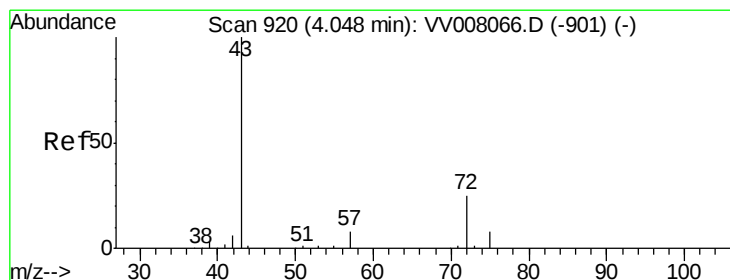
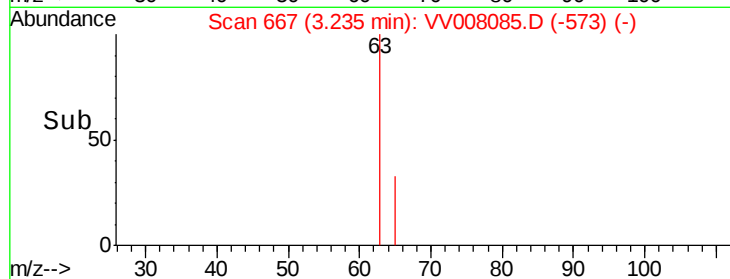
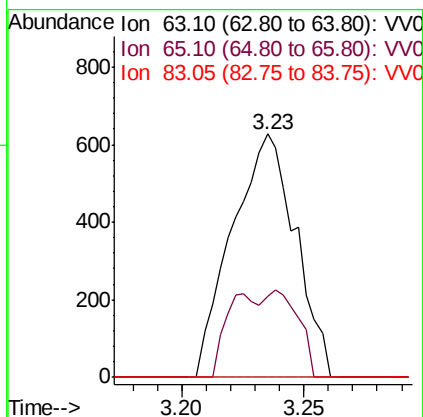
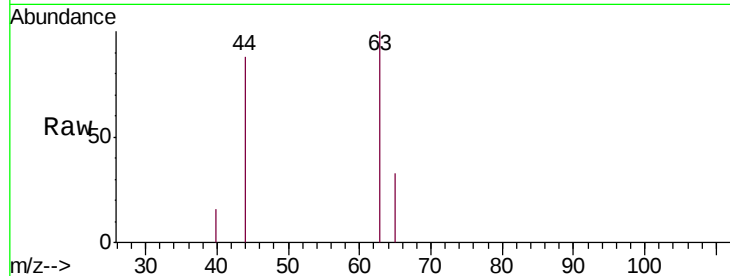




#19
 1,1-Dichloroethane
 Concen: 0.120 ug/L
 RT: 3.23 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VV008085.D
 Acq: 05 Oct 2018 02:04

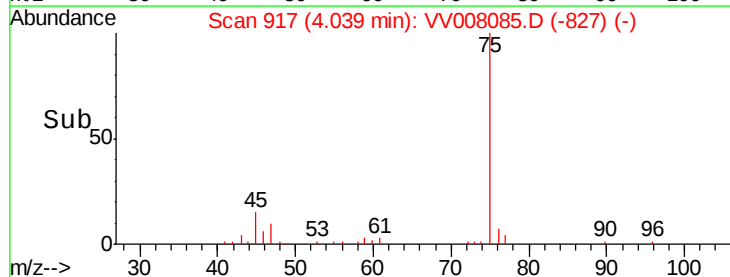
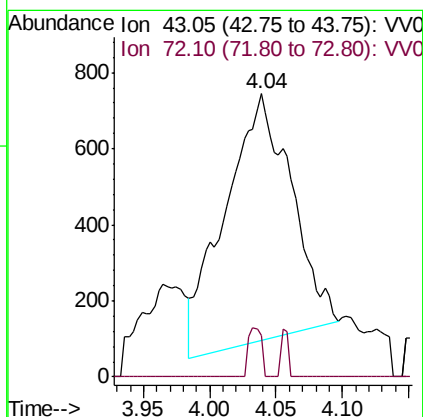
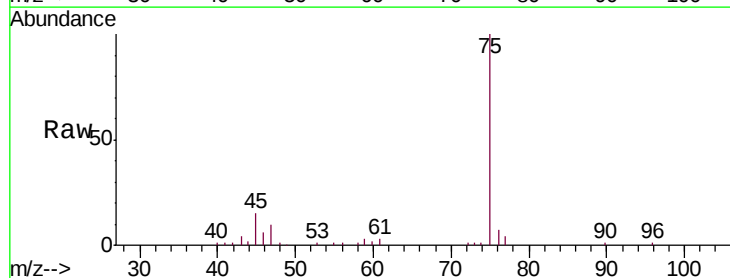
Instrument :
 MSVOA_V
 ClientSampleId :
 C0J87

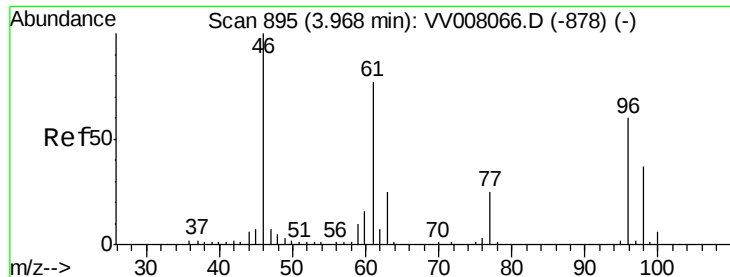
Tgt Ion: 63 Resp: 1130
 Ion Ratio Lower Upper
 63 100
 65 33.1 22.3 41.5
 83 0.0 9.8 18.2#



#21
 2-Butanone
 Concen: 1.599 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VV008085.D
 Acq: 05 Oct 2018 02:04

Tgt Ion: 43 Resp: 2272
 Ion Ratio Lower Upper
 43 100
 72 4.0 12.5 37.5#



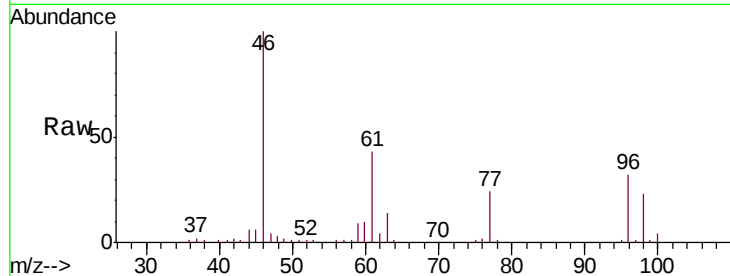


#22

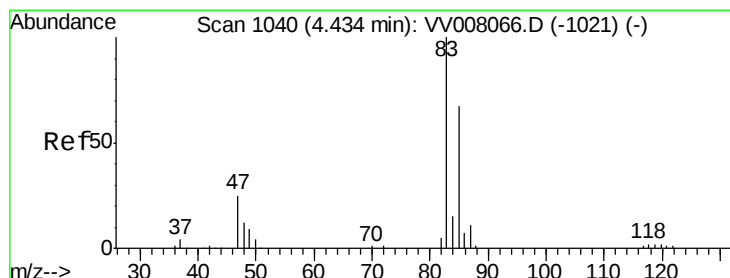
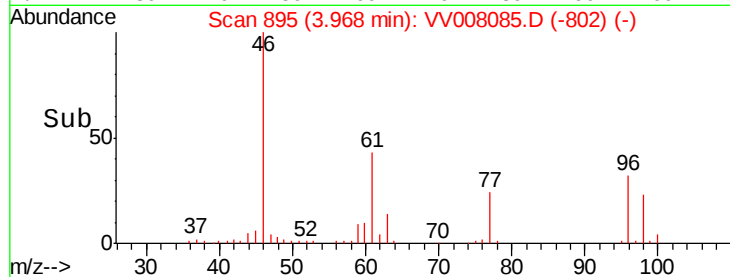
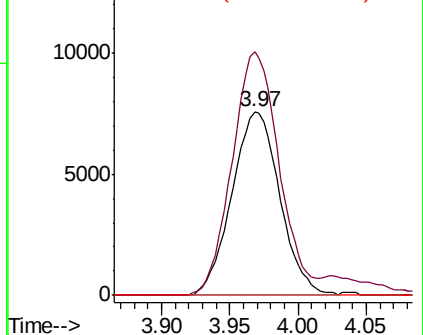
cis-1,2-Dichloroethene
Concen: 3.303 ug/L
RT: 3.97 min Scan# 895
Delta R.T. -0.00 min
Lab File: VV008085.D
Acq: 05 Oct 2018 02:04

Instrument :
MSVOA_V
ClientSampleId :
C0J87

Tgt Ion: 96 Resp: 18499
Ion Ratio Lower Upper
96 100
61 132.3 89.5 166.1
68 0.0 0.0 0.0



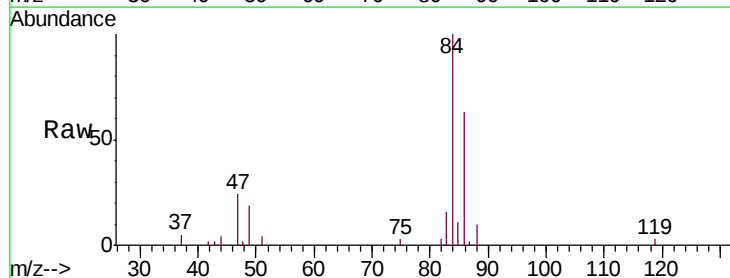
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



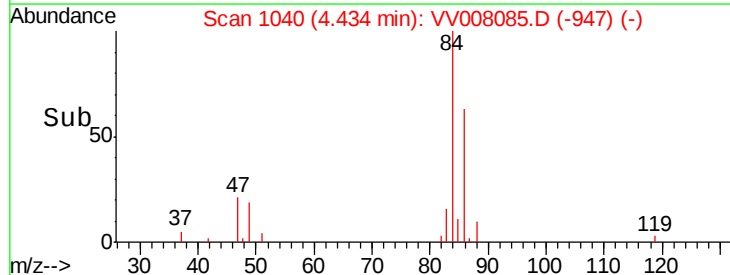
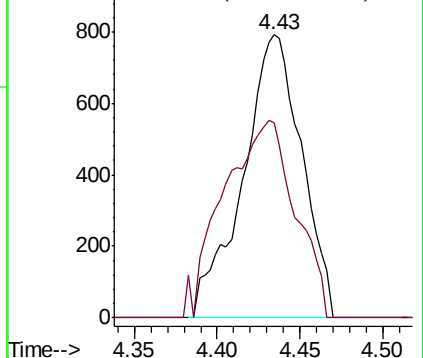
#25

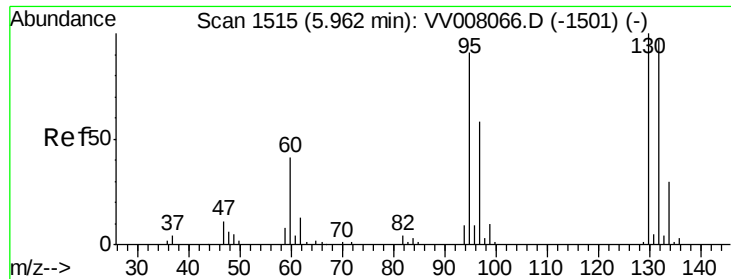
Chloroform
Concen: 0.191 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV008085.D
Acq: 05 Oct 2018 02:04

Tgt Ion: 83 Resp: 1953
Ion Ratio Lower Upper
83 100
85 68.7 44.8 83.2



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0

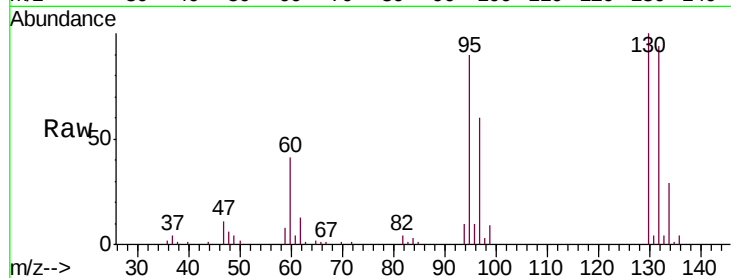




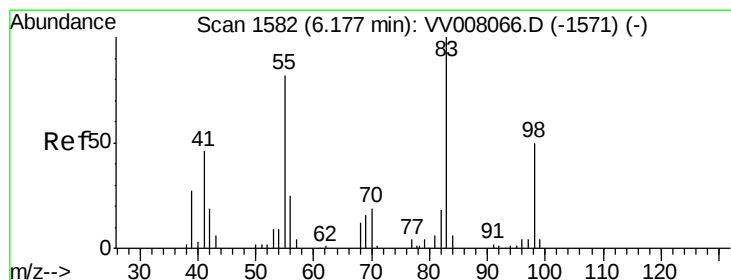
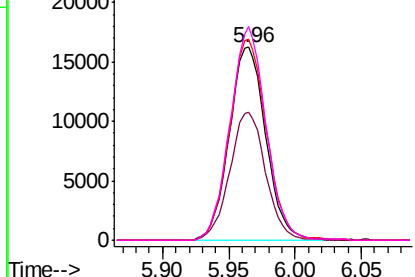
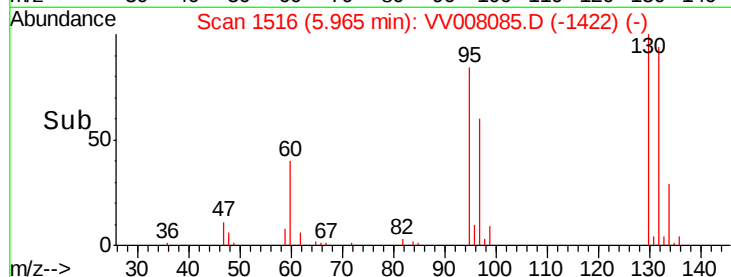
#34
 Trichloroethene
 Concen: 5.258 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.00 min
 Lab File: VV008085.D
 Acq: 05 Oct 2018 02:04

Instrument :
 MSVOA_V
 ClientSampled :
 C0J87

Tgt Ion: 95 Resp: 31164
 Ion Ratio Lower Upper
 95 100
 97 66.2 43.6 81.0
 132 104.3 69.9 129.9
 130 110.8 71.7 133.3

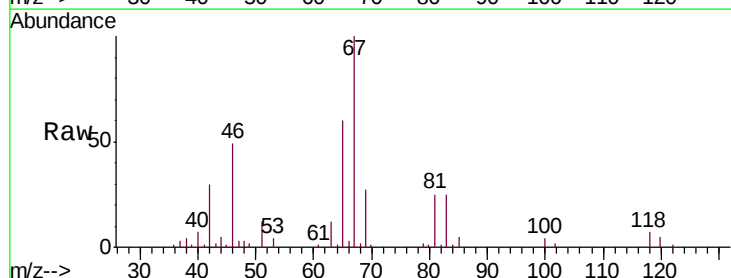


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

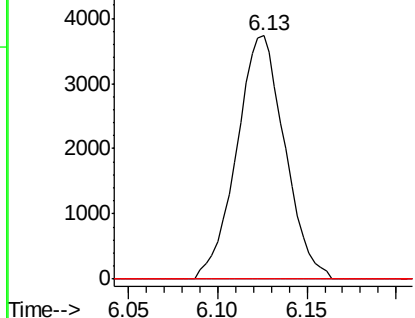
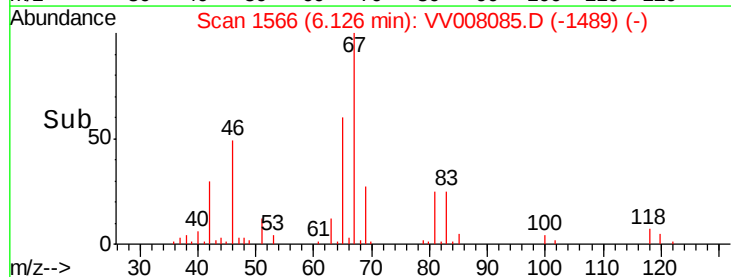


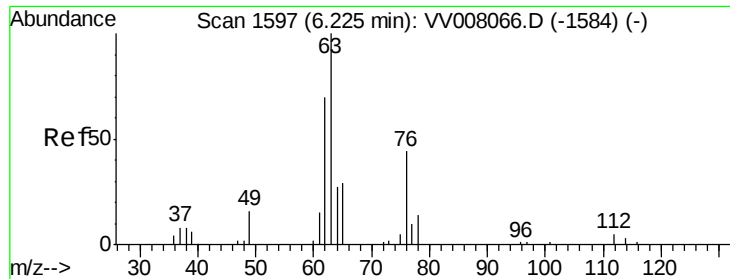
#35
 Methylcyclohexane
 Concen: 0.790 ug/L
 RT: 6.13 min Scan# 1566
 Delta R.T. -0.05 min
 Lab File: VV008085.D
 Acq: 05 Oct 2018 02:04

Tgt Ion: 83 Resp: 7024
 Ion Ratio Lower Upper
 83 100
 55 0.0 62.2 93.2#
 98 2.7 38.0 57.0#



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: 0.622 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.10 min

Lab File: VV008085.D

Acq: 05 Oct 2018 02:04

Instrument :

MSVOA_V

ClientSampled :

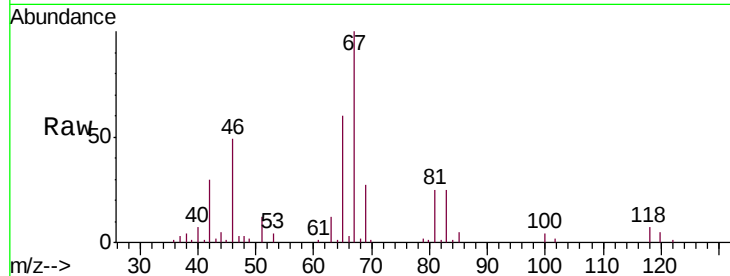
C0J87

Tgt Ion: 63 Resp: 3290

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV008066.D (-1584) (-)

Ion 112.10 (111.80 to 112.80): VV008066.D (-1584) (-)

2000

1500

1000

500

0

6.05

6.10

6.15

6.20

6.25

6.30

6.35

6.40

6.45

6.50

6.55

6.60

6.65

6.70

6.75

6.80

6.85

6.90

6.95

7.00

7.05

7.10

7.15

7.20

7.25

7.30

7.35

7.40

7.45

7.50

7.55

7.60

7.65

7.70

7.75

7.80

7.85

7.90

7.95

8.00

8.05

8.10

8.15

8.20

8.25

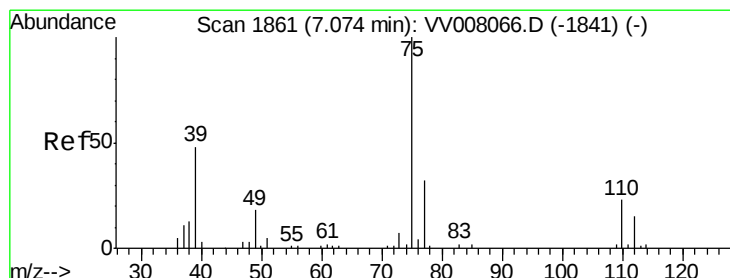
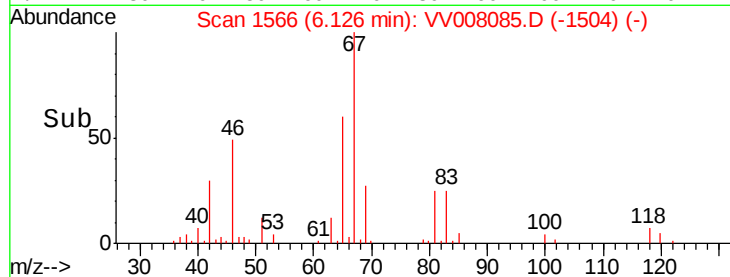
8.30

8.35

8.40

8.45

8.50



#39

cis-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV008085.D

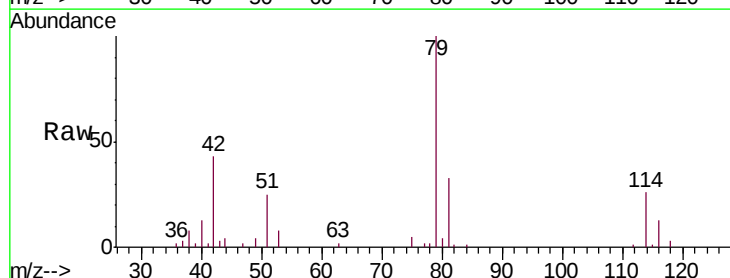
Acq: 05 Oct 2018 02:04

Tgt Ion: 75 Resp: 670

Ion Ratio Lower Upper

75 100

77 50.1 22.9 42.5#



Abundance Ion 75.05 (74.75 to 75.75): VV008066.D (-1841) (-)

Ion 77.05 (76.75 to 77.75): VV008066.D (-1841) (-)

500

400

300

200

100

0

7.00

7.02

7.04

7.06

7.08

7.10

7.12

7.14

7.16

7.18

7.20

7.22

7.24

7.26

7.28

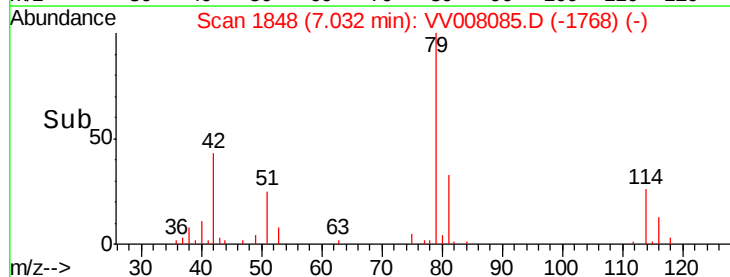
7.30

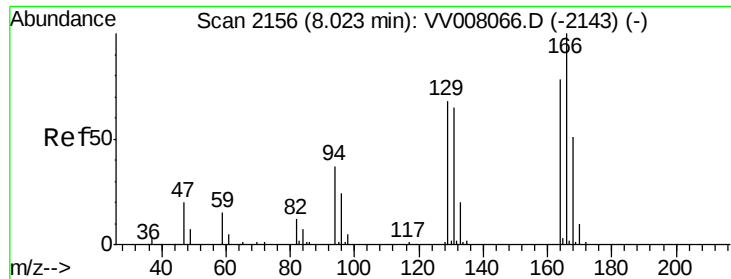
7.32

7.34

7.36

7.38

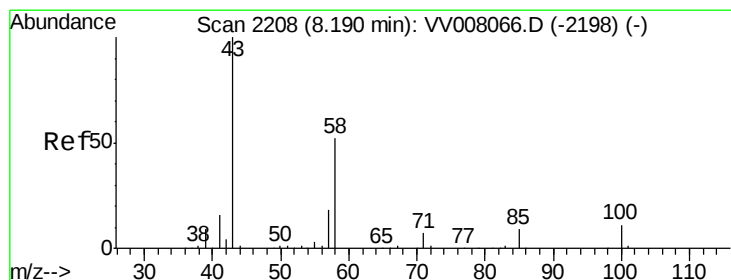
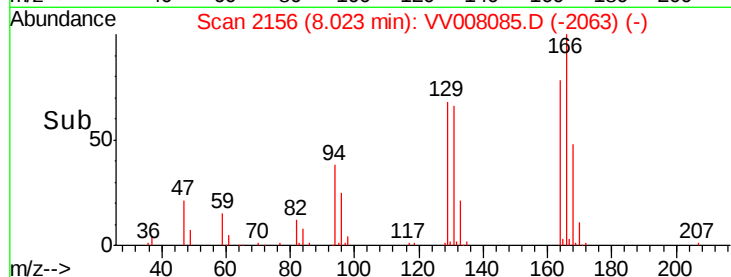
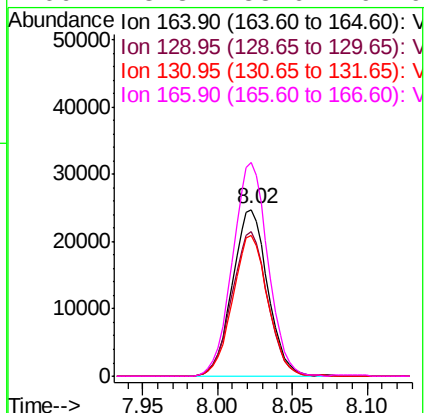
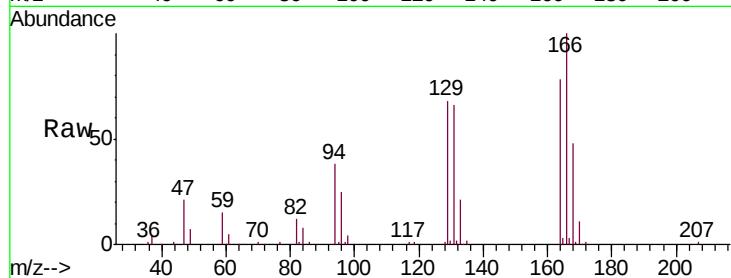




#47
Tetrachloroethene
Concen: 7.405 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. -0.00 min
Lab File: VV008085.D
Acq: 05 Oct 2018 02:04

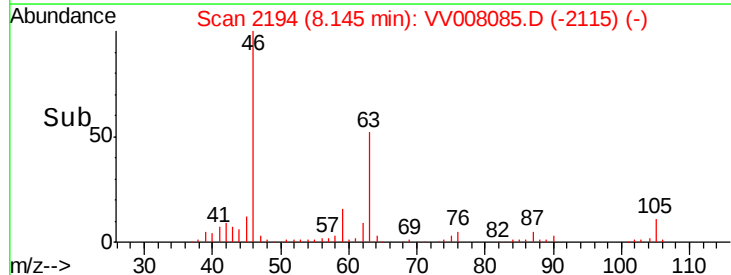
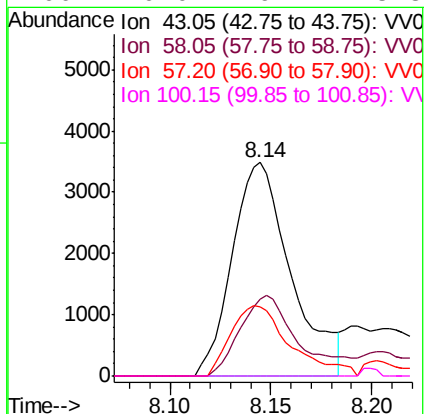
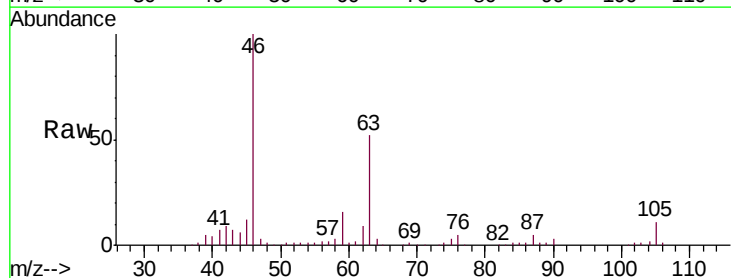
Instrument :
MSVOA_V
ClientSampleId :
C0J87

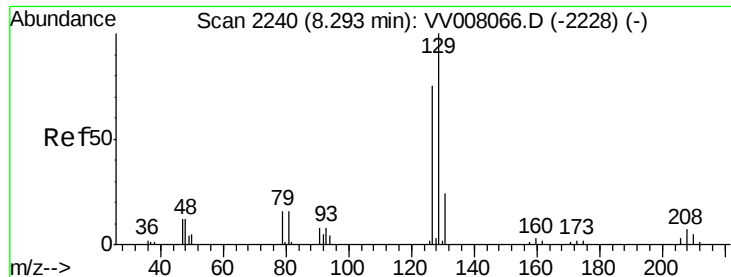
Tgt Ion:164 Resp: 40668
Ion Ratio Lower Upper
164 100
129 86.7 59.2 110.0
131 84.7 57.1 106.1
166 128.3 88.6 164.6



#48
2-Hexanone
Concen: 3.065 ug/L
RT: 8.14 min Scan# 2194
Delta R.T. -0.05 min
Lab File: VV008085.D
Acq: 05 Oct 2018 02:04

Tgt Ion: 43 Resp: 7075
Ion Ratio Lower Upper
43 100
58 35.3 41.9 62.9#
57 33.3 14.3 21.5#
100 0.0 9.2 13.8#





#49

Dibromochloromethane

Concen: 7.860 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.27 min

Lab File: VV008085.D

Acq: 05 Oct 2018 02:04

Instrument :

MSVOA_V

ClientSampleId :

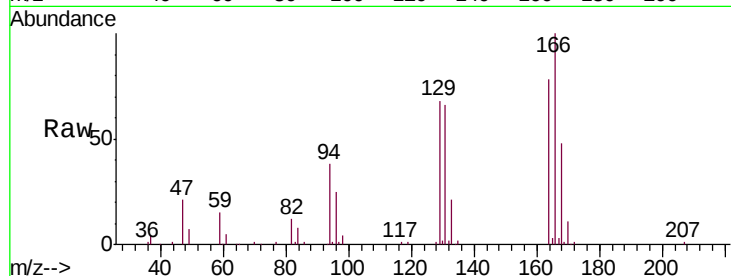
C0J87

Tgt Ion: 129 Resp: 34242

Ion Ratio Lower Upper

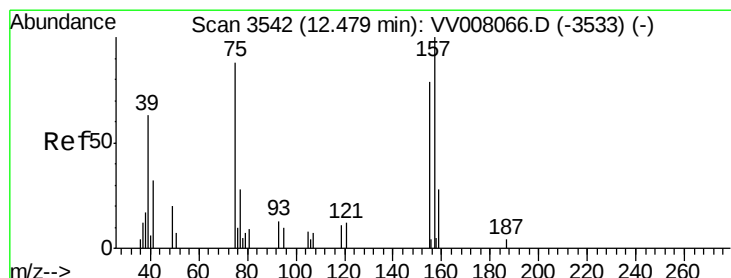
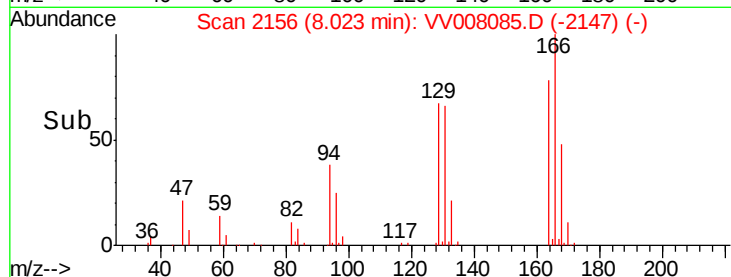
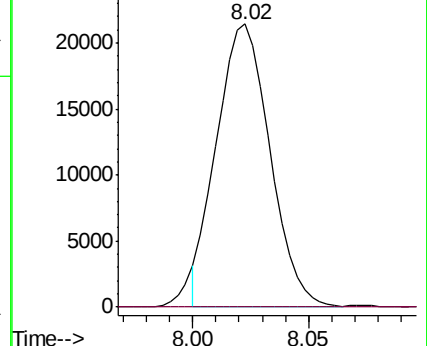
129 100

127 0.0 53.1 98.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.166 ug/L

RT: 12.30 min Scan# 3486

Delta R.T. -0.18 min

Lab File: VV008085.D

Acq: 05 Oct 2018 02:04

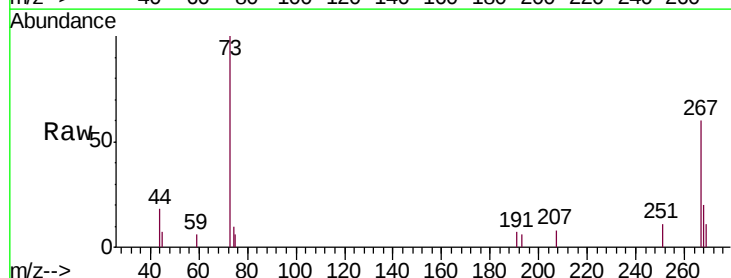
Tgt Ion: 75 Resp: 93

Ion Ratio Lower Upper

75 100

155 0.0 83.4 125.2#

157 0.0 93.9 140.9#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

