

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101618\
 Data File : VV008323.D
 Acq On : 17 Oct 2018 04:09
 Operator : SY/MD
 Sample : J5463-10
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0JC1

Quant Time: Oct 17 05:07:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 17 05:02:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	79370	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	69433	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	27425	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	23025	5.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.60%
7) Chloroethane-d5	1.58	69	18318	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.40%
11) 1,1-Dichloroethene-d2	2.14	63	40658	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.40%
20) 2-Butanone-d5	3.96	46	75242	50.01	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.02%
24) Chloroform-d	4.41	84	46122	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	5.09	65	24643	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.10	84	97246	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.13	67	33552	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.36	98	87218	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	7.67	79	10668	3.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.60%
46) 2-Hexanone-d5	8.14	63	46023	47.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.30%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	20563	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	25619	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

					Ovalue
3) Chloromethane	1.26	50	1166	0.187 ug/L	92
5) Vinyl chloride	1.32	62	1067	0.181 ug/L #	1
12) 1,1-Dichloroethene	2.14	96	11522	3.022 ug/L #	73
13) Acetone	2.21	43	2738	3.364 ug/L	98
14) Carbon disulfide	2.32	76	33744	2.572 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	1836	0.170 ug/L #	79
18) trans-1,2-Dichloroethene	2.80	96	896	0.218 ug/L #	71
19) 1,1-Dichloroethane	3.23	63	3543	0.418 ug/L #	89
21) 2-Butanone	4.05	43	2699	1.597 ug/L #	63
22) cis-1,2-Dichloroethene	3.96	96	115250	17.401 ug/L #	98
25) Chloroform	4.43	83	1824	0.176 ug/L #	75
29) 1,1,1-Trichloroethane	4.66	97	2719	0.314 ug/L	98
34) Trichloroethene	5.96	95	543002	83.745 ug/L	99
35) Methylcyclohexane	6.12	83	7710	0.705 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	3400	0.539 ug/L #	90
39) cis-1,3-Dichloropropene	7.04	75	887	0.098 ug/L #	68
42) Toluene	7.43	91	2166	0.089 ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 17 05:02:19 2018
Response via : Initial Calibration

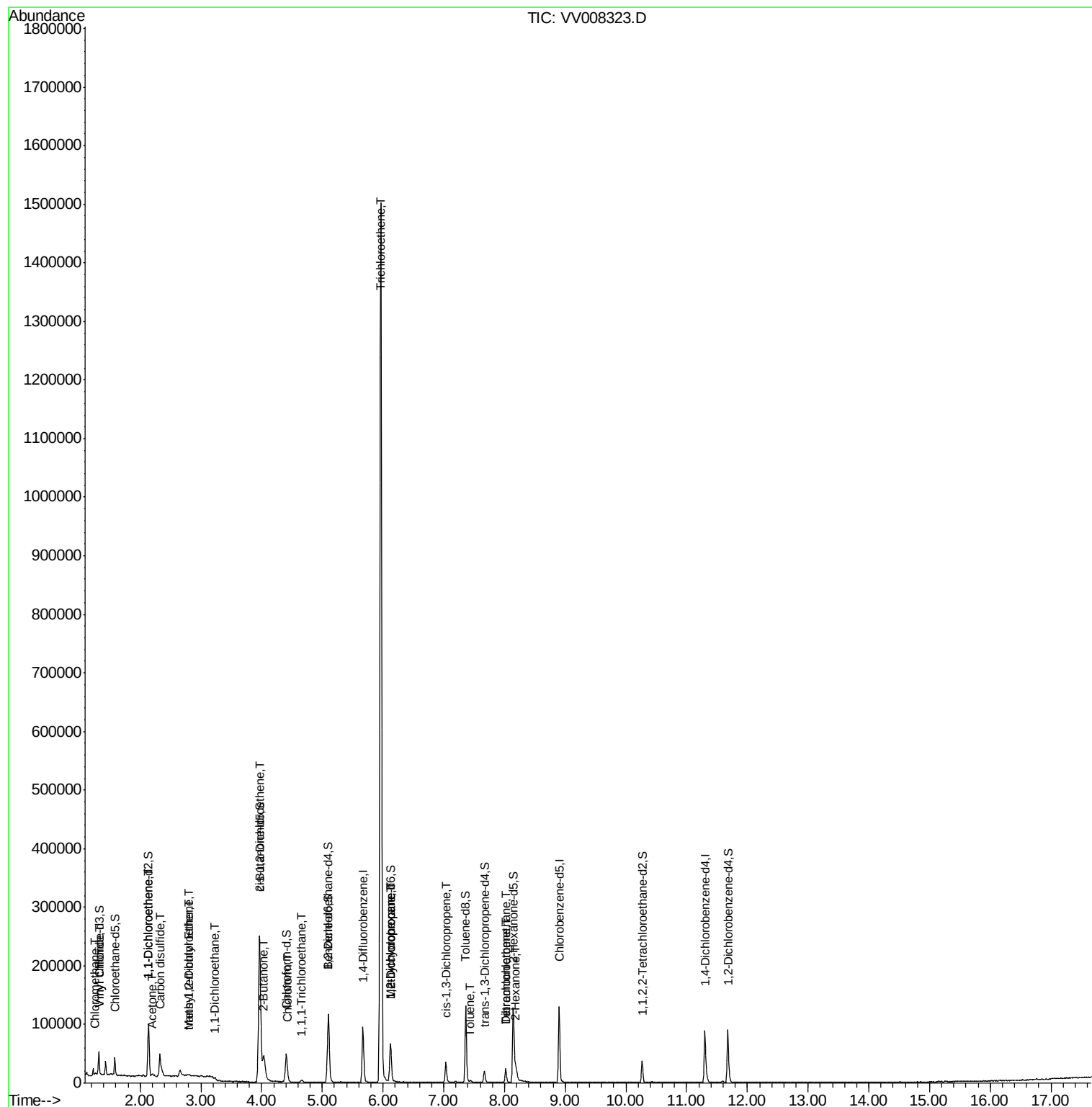
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	8.02	164	4901	1.206	ug/L	92
48) 2-Hexanone	8.19	43	13129	4.646	ug/L #	92
49) Dibromochloromethane	8.02	129	4874	1.091	ug/L #	10

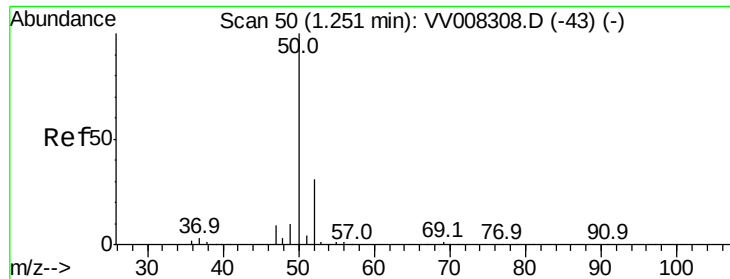
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.187 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.01 min

Lab File: VV008323.D

Acq: 17 Oct 2018 04:09

Instrument :

MSVOA_V

ClientSampleId :

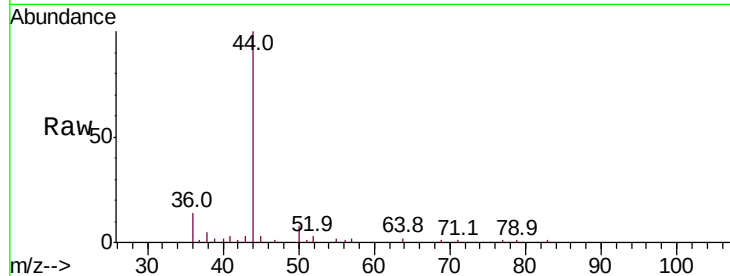
C0JC1

Tot Ion: 50 Resp: 1166

Ion Ratio Lower Upper

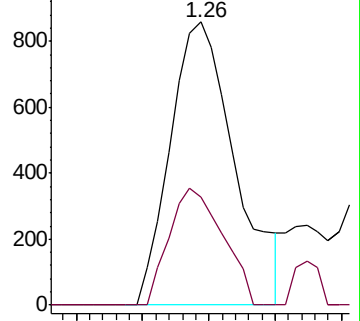
50 100

52 38.1 23.7 43.9

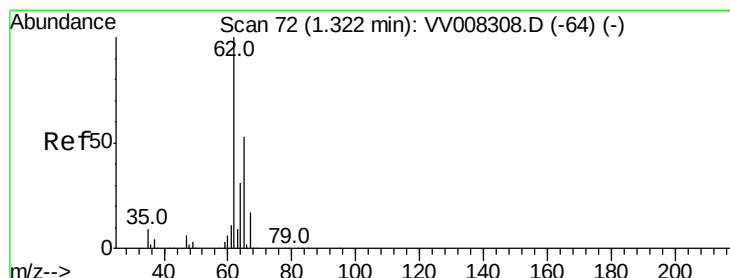
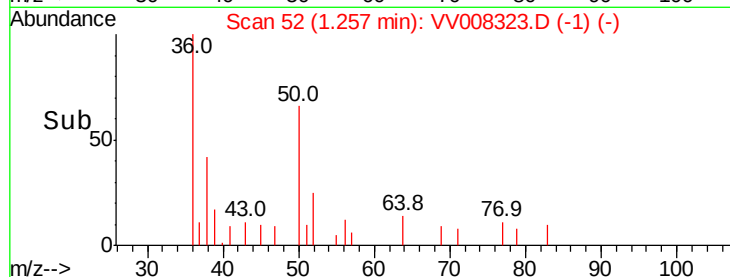


Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



Time-->



#5

Vinyl chloride

Concen: 0.181 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008323.D

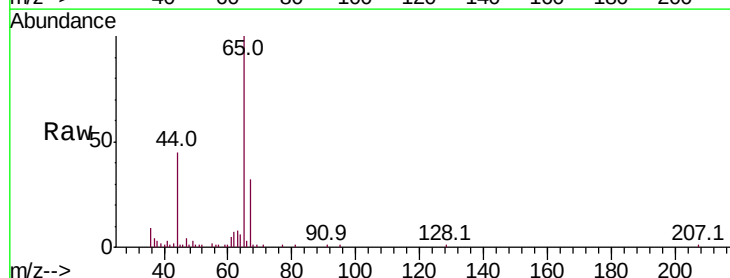
Acq: 17 Oct 2018 04:09

Tgt Ion: 62 Resp: 1067

Ion Ratio Lower Upper

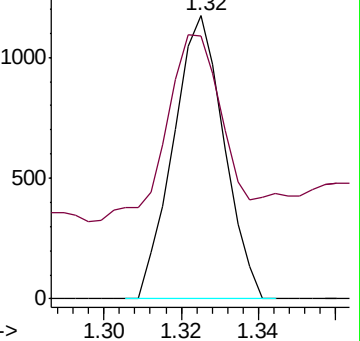
62 100

64 92.8 22.9 42.5#

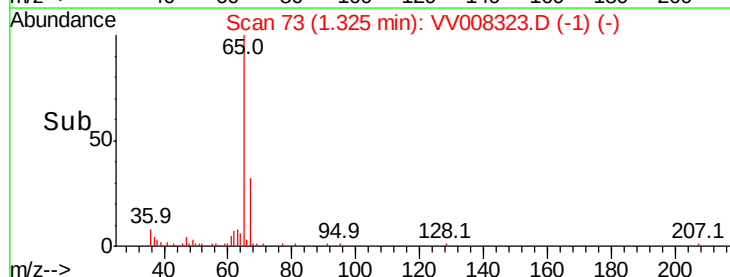


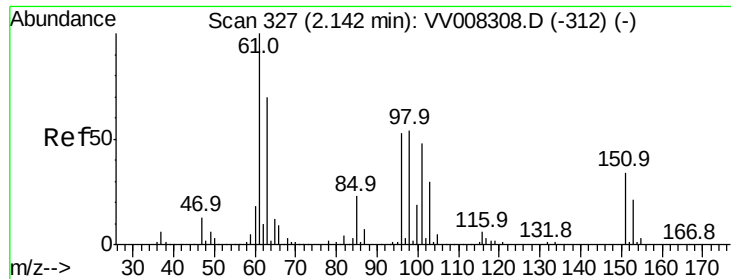
Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



Time-->





#12

1,1-Dichloroethene

Concen: 3.022 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008323.D

Acq: 17 Oct 2018 04:09

Instrument :

MSVOA_V

ClientSampleId :

C0JC1

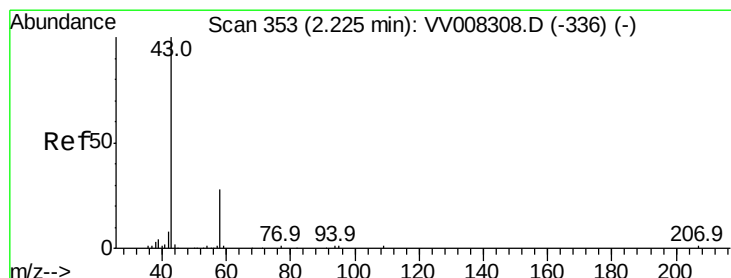
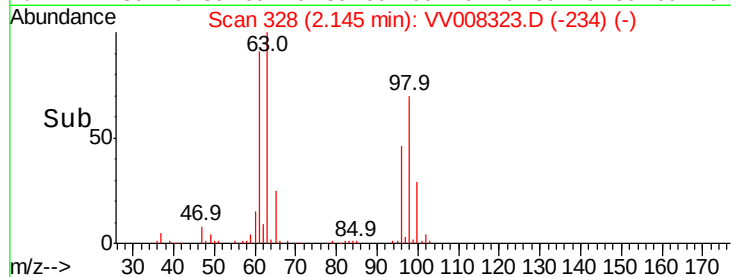
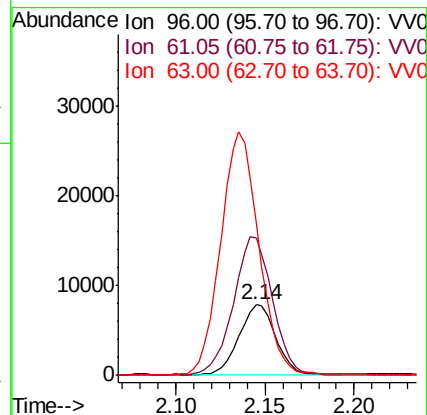
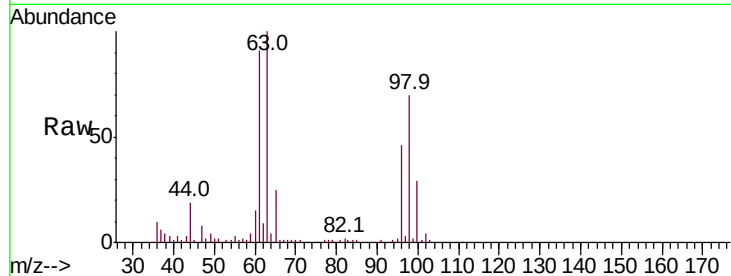
Tot Ion: 96 Resp: 11522

Ion Ratio Lower Upper

96 100

61 194.7 129.9 241.3

63 215.1 103.0 191.4#



#13

Acetone

Concen: 3.364 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.02 min

Lab File: VV008323.D

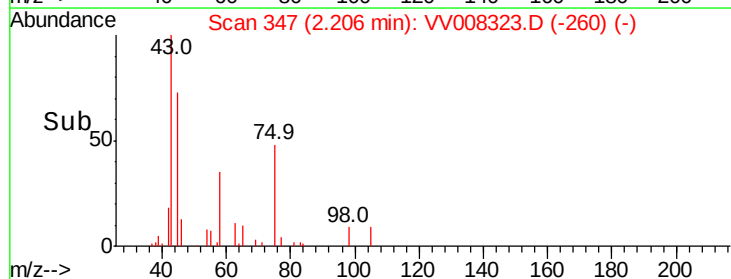
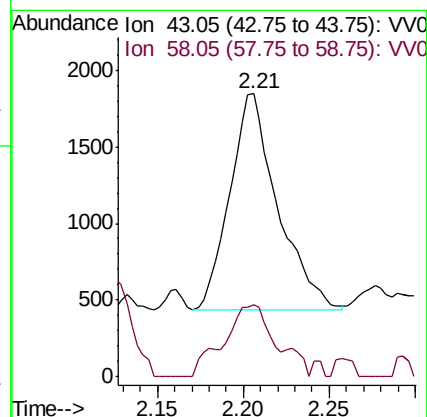
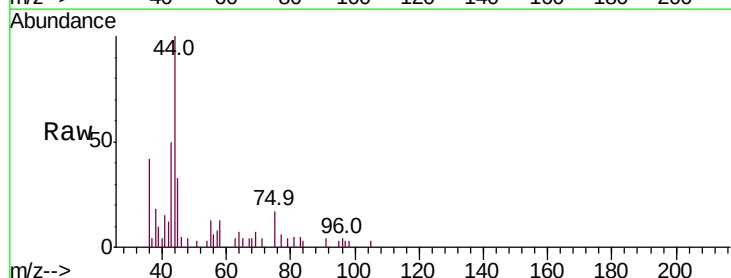
Acq: 17 Oct 2018 04:09

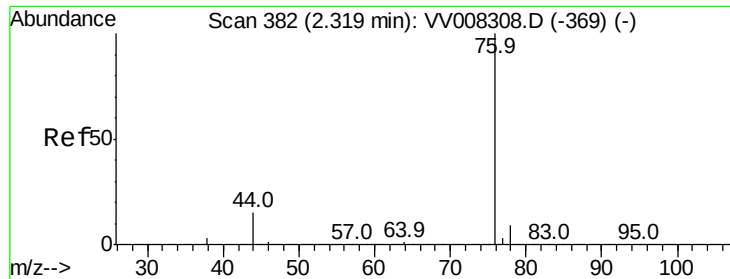
Tgt Ion: 43 Resp: 2738

Ion Ratio Lower Upper

43 100

58 32.0 0.0 62.0





#14

Carbon disulfide

Concen: 2.572 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV008323.D

Acq: 17 Oct 2018 04:09

Instrument :

MSVOA_V

ClientSampled :

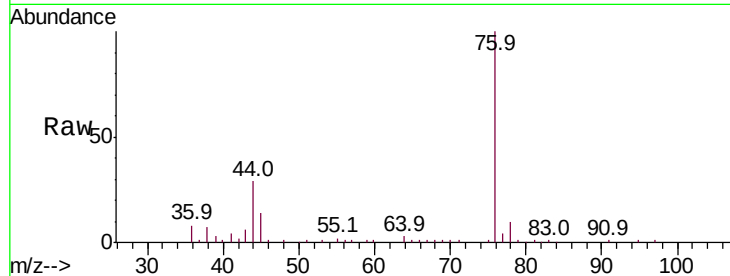
C0JC1

Tot Ion: 76 Resp: 33744

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

25000

20000

15000

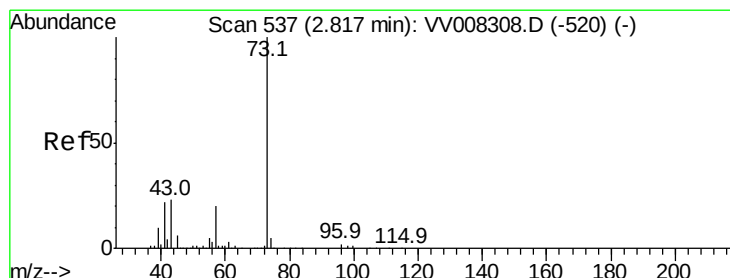
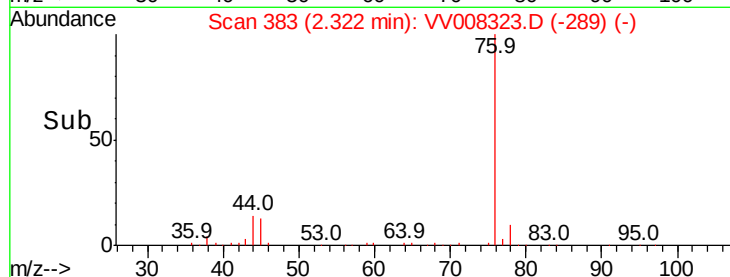
10000

5000

0

2.25 2.30 2.35 2.40

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.170 ug/L

RT: 2.81 min Scan# 536

Delta R.T. -0.00 min

Lab File: VV008323.D

Acq: 17 Oct 2018 04:09

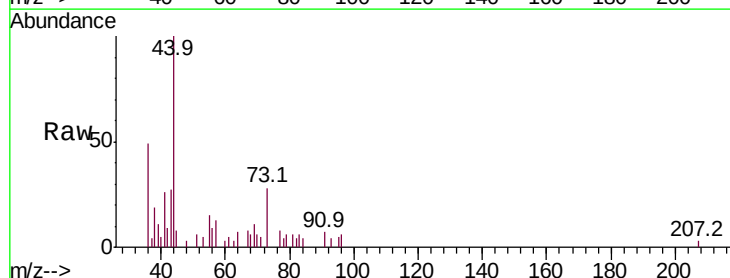
Tgt Ion: 73 Resp: 1836

Ion Ratio Lower Upper

73 100

43 25.5 19.0 28.6

57 4.1 18.2 27.2#



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

1200

1000

800

600

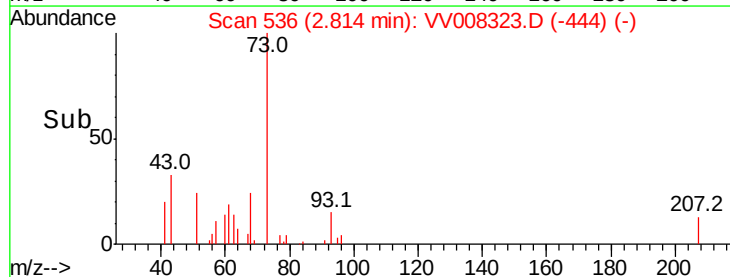
400

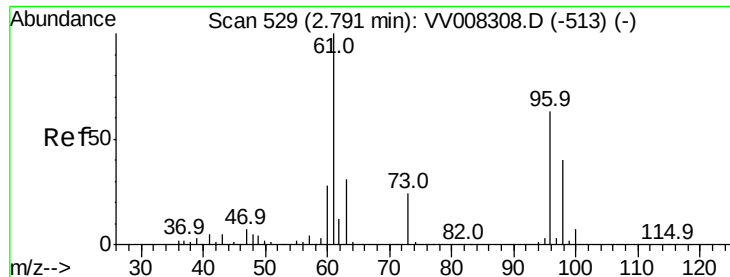
200

0

2.75 2.80 2.85

Time-->

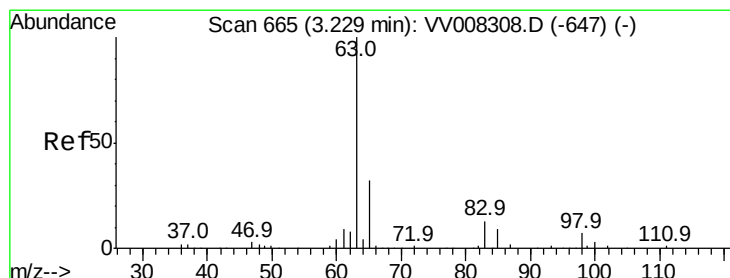
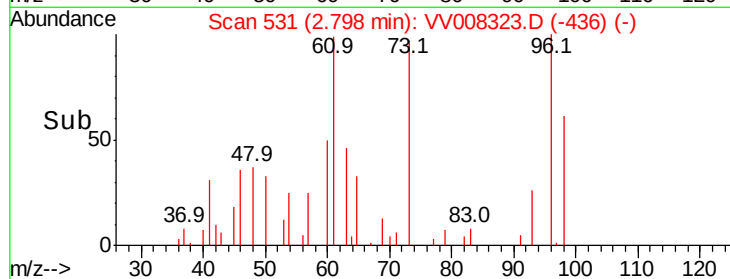
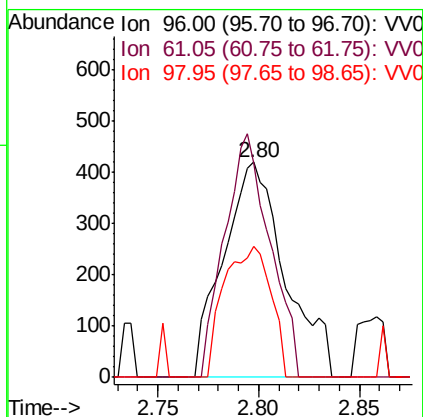
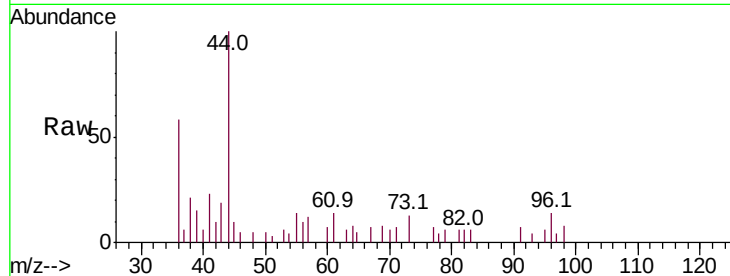




#18
trans-1,2-Dichloroethene
Concen: 0.218 ug/L
RT: 2.80 min Scan# 531
Delta R.T. 0.01 min
Lab File: VV008323.D
Acq: 17 Oct 2018 04:09

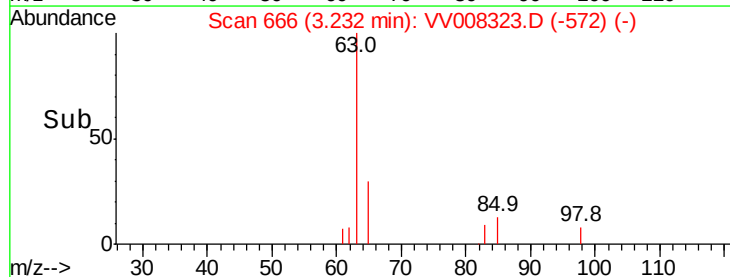
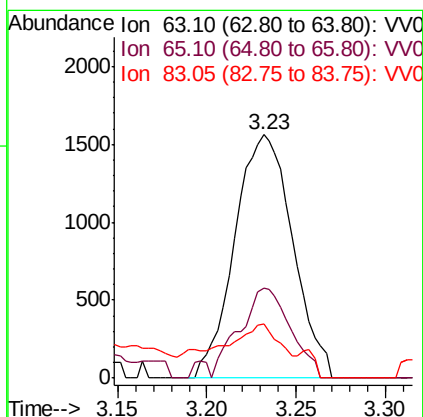
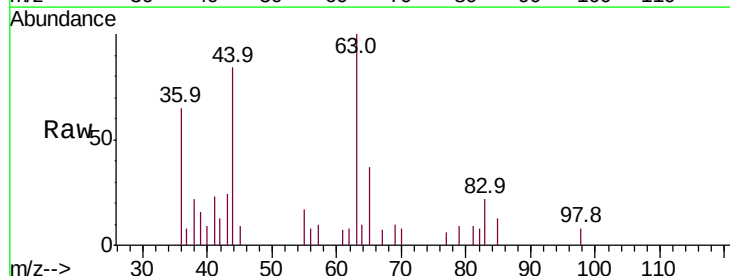
Instrument :
MSVOA_V
ClientSampled :
C0JC1

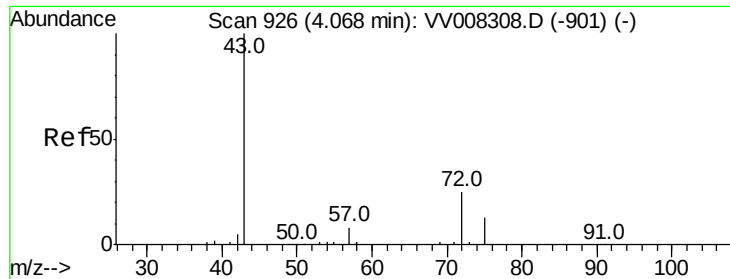
Tot Ion: 96 Resp: 896
Ion Ratio Lower Upper
96 100
61 99.3 104.6 194.2#
98 60.6 44.1 81.9



#19
1,1-Dichloroethane
Concen: 0.418 ug/L
RT: 3.23 min Scan# 666
Delta R.T. 0.00 min
Lab File: VV008323.D
Acq: 17 Oct 2018 04:09

Tgt Ion: 63 Resp: 3543
Ion Ratio Lower Upper
63 100
65 36.9 22.6 42.0
83 22.3 11.0 20.4#





#21

2-Butanone

Concen: 1.597 ug/L

RT: 4.05 min Scan# 919

Delta R.T. -0.02 min

Lab File: VV008323.D

Acq: 17 Oct 2018 04:09

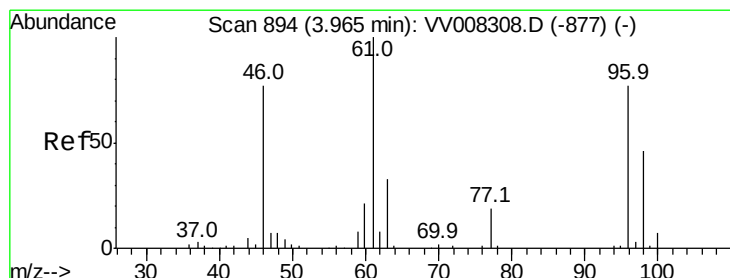
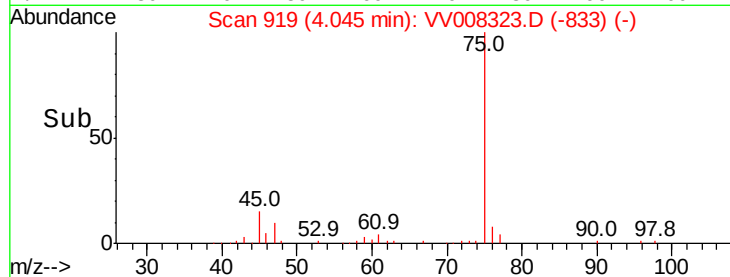
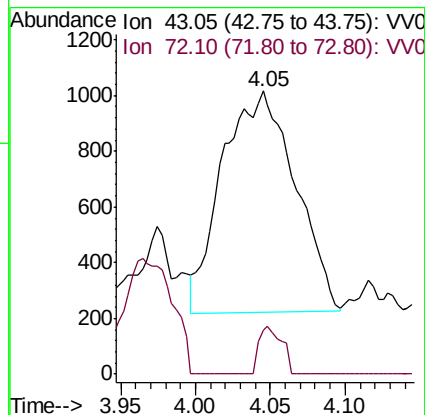
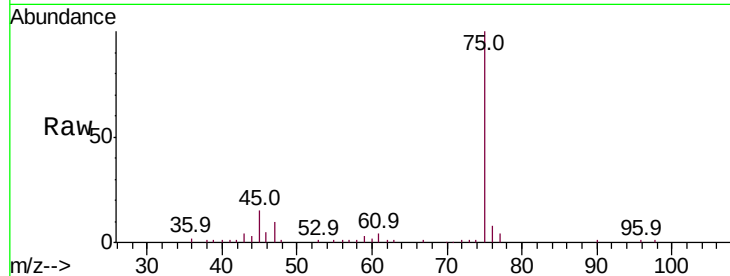
Instrument :
MSVOA_V
ClientSampled :
C0JC1

Tot Ion: 43 Resp: 2699

Ion Ratio Lower Upper

43 100

72 6.8 12.9 38.7#



#22

cis-1,2-Dichloroethene

Concen: 17.401 ug/L

RT: 3.96 min Scan# 894

Delta R.T. -0.00 min

Lab File: VV008323.D

Acq: 17 Oct 2018 04:09

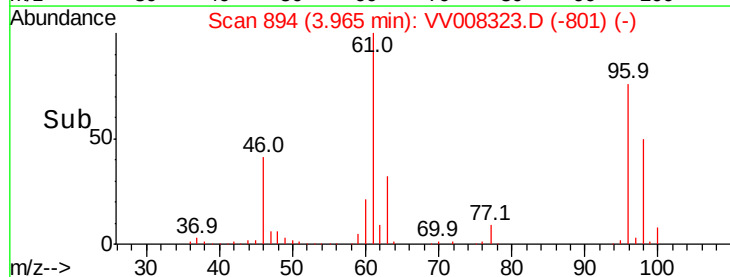
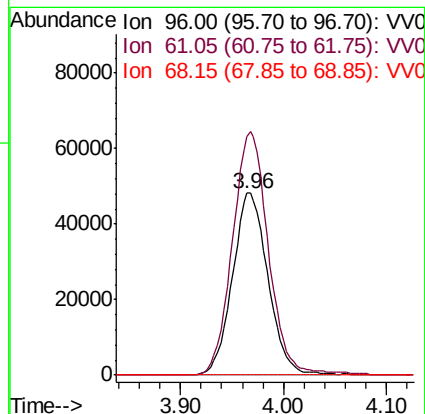
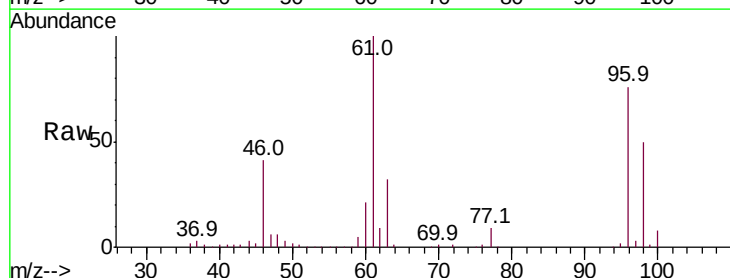
Tgt Ion: 96 Resp: 115250

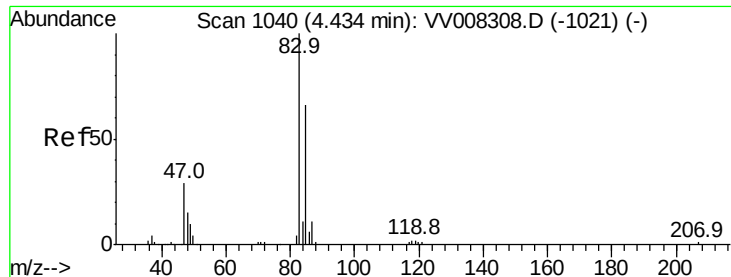
Ion Ratio Lower Upper

96 100

61 131.0 93.7 174.1

68 0.0 0.6 1.2#

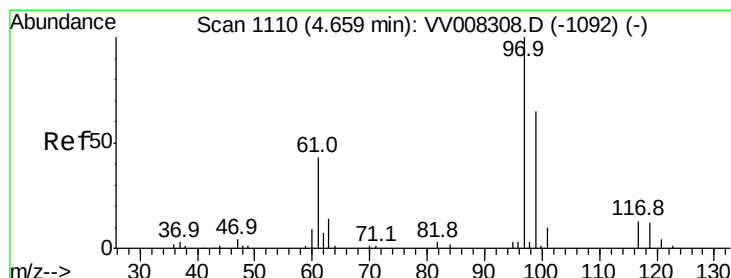
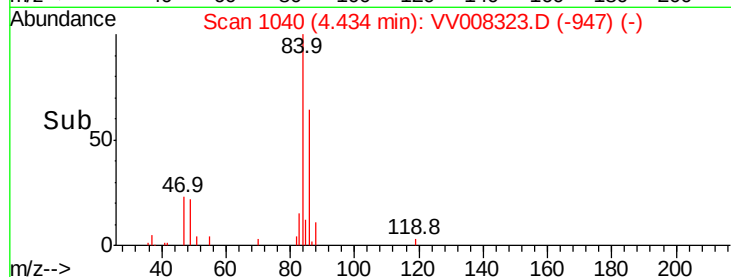
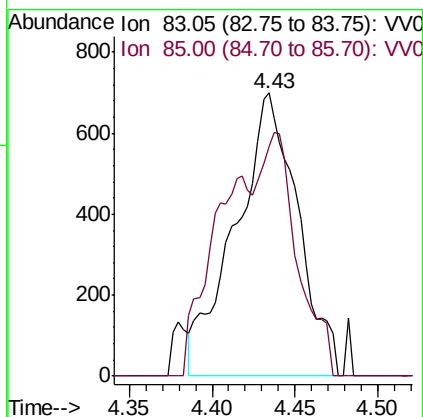
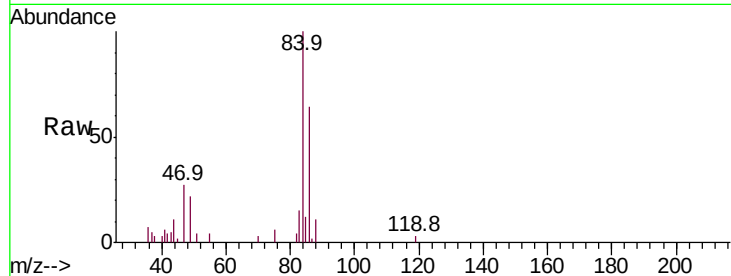




#25
Chloroform
Concen: 0.176 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VV008323.D
Acq: 17 Oct 2018 04:09

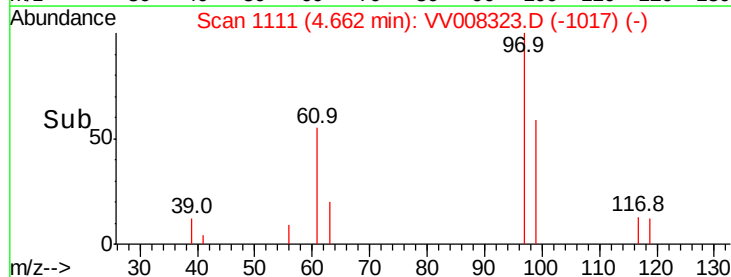
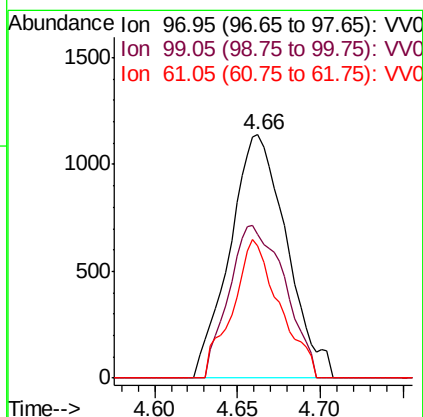
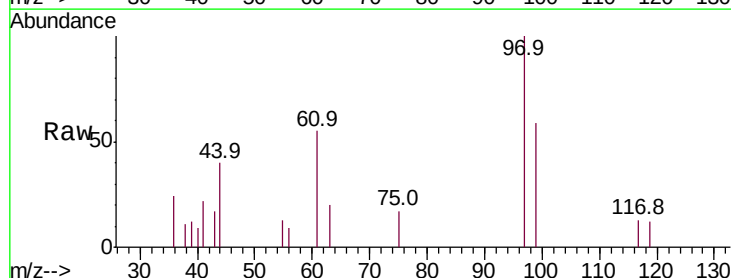
Instrument :
MSVOA_V
ClientSampleId :
C0JC1

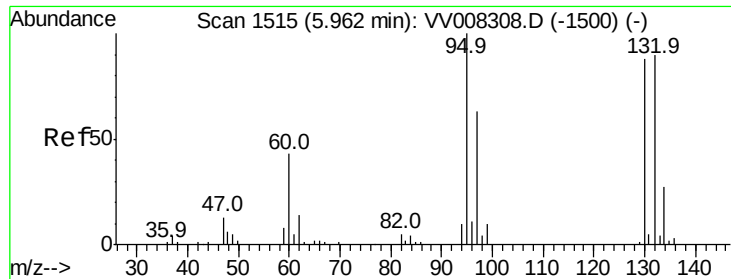
Tot Ion: 83 Resp: 1824
Ion Ratio Lower Upper
83 100
85 81.0 43.4 80.6#



#29
1,1,1-Trichloroethane
Concen: 0.314 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VV008323.D
Acq: 17 Oct 2018 04:09

Tgt Ion: 97 Resp: 2719
Ion Ratio Lower Upper
97 100
99 61.8 51.6 77.4
61 47.0 37.0 55.6

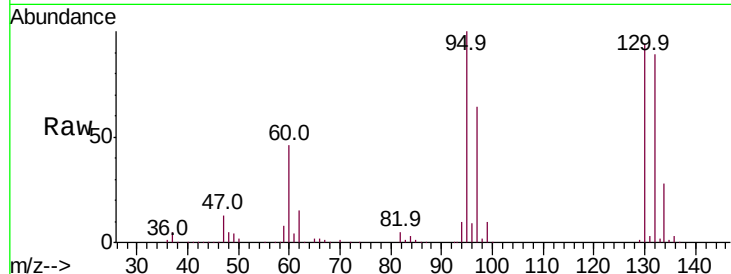




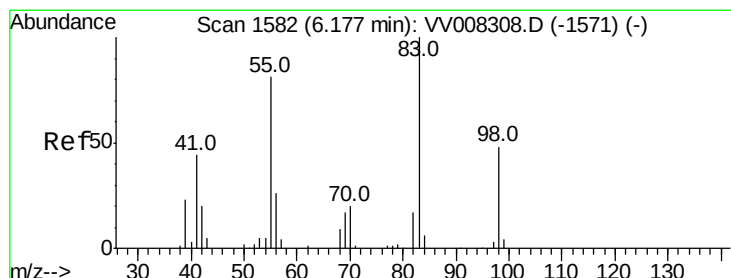
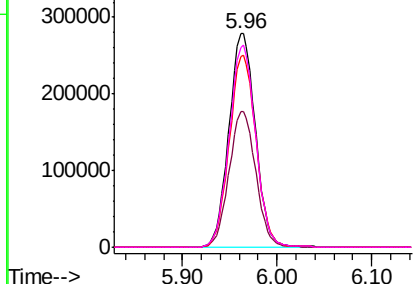
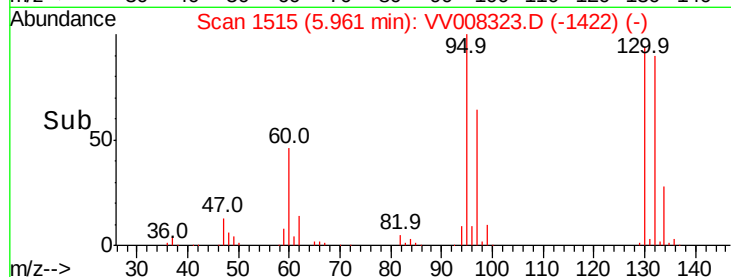
#34
 Trichloroethene
 Concen: 83.745 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. -0.00 min
 Lab File: VV008323.D
 Acq: 17 Oct 2018 04:09

Instrument :
 MSVOA_V
 ClientSampleId :
 C0JC1

Tot Ion: 95 Resp: 543002
 Ion Ratio Lower Upper
 95 100
 97 63.5 44.4 82.4
 132 89.3 60.4 112.2
 130 93.7 65.5 121.7

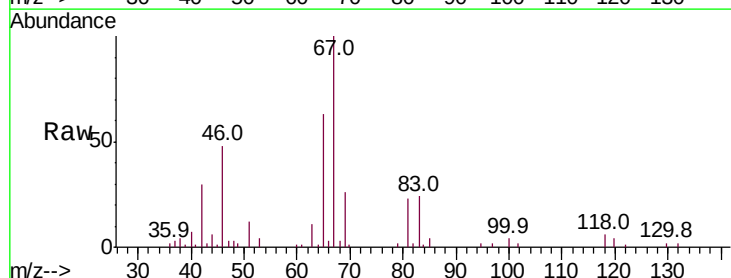


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

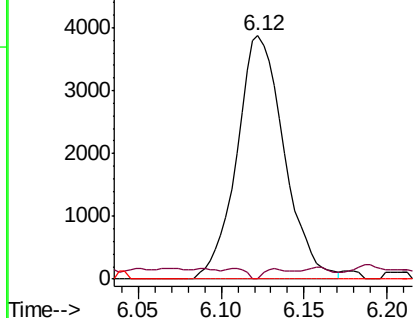
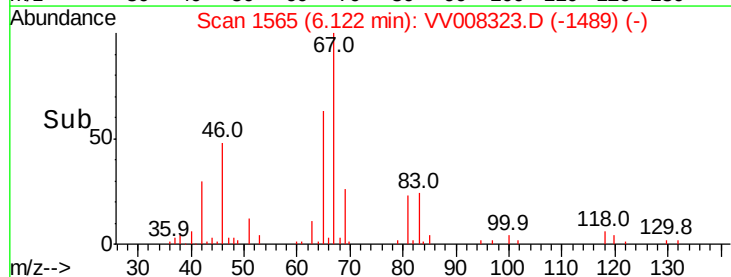


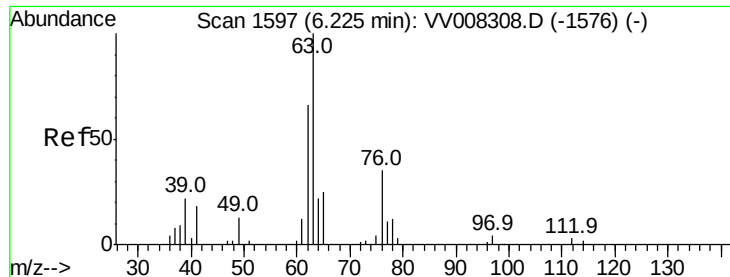
#35
 Methylcyclohexane
 Concen: 0.705 ug/L
 RT: 6.12 min Scan# 1565
 Delta R.T. -0.05 min
 Lab File: VV008323.D
 Acq: 17 Oct 2018 04:09

Tgt Ion: 83 Resp: 7710
 Ion Ratio Lower Upper
 83 100
 55 2.1 64.0 96.0#
 98 0.0 37.0 55.4#



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

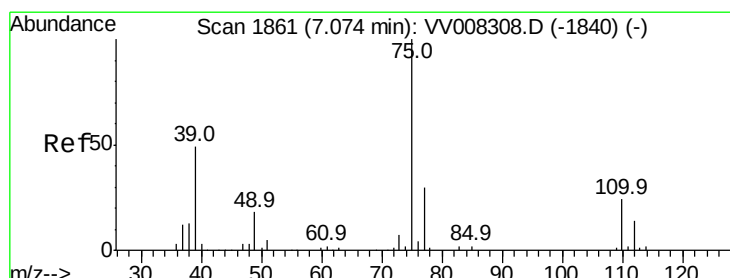
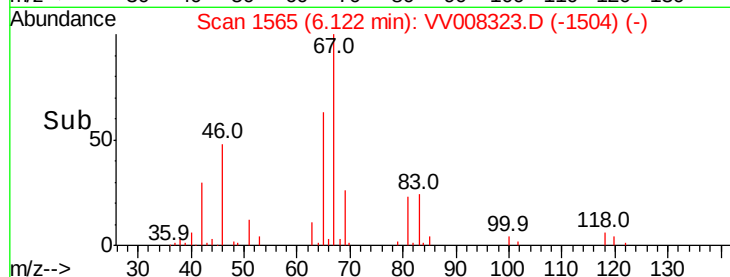
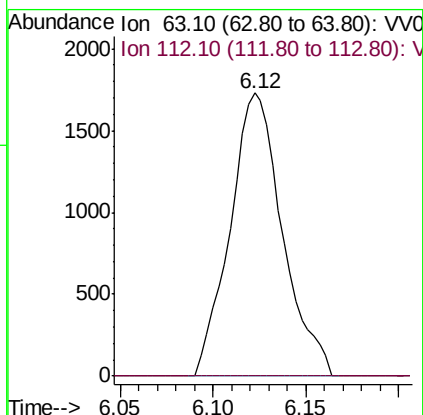
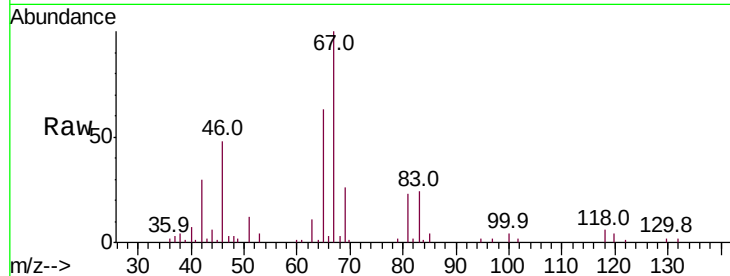




#37
 1,2-Dichloropropane
 Concen: 0.539 ug/L
 RT: 6.12 min Scan# 1565
 Delta R.T. -0.10 min
 Lab File: VV008323.D
 Acq: 17 Oct 2018 04:09

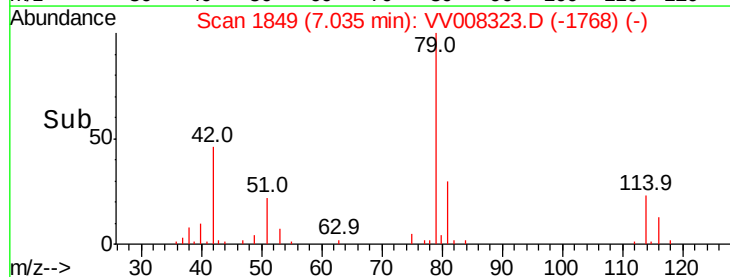
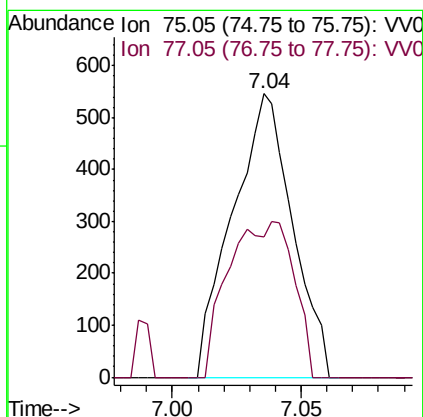
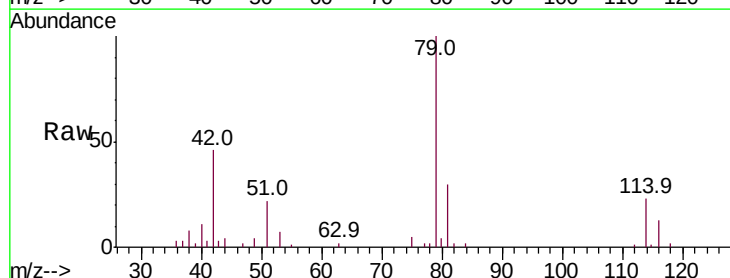
Instrument :
 MSVOA_V
 ClientSampleId :
 C0JC1

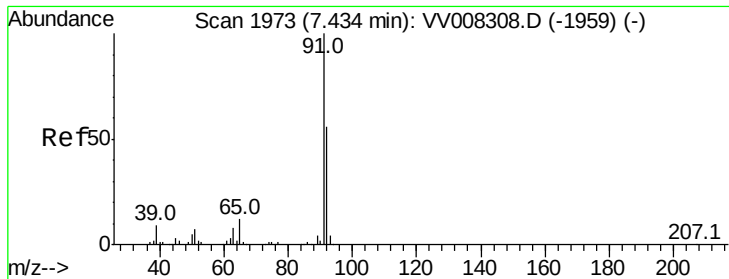
Tot Ion: 63 Resp: 3400
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 3.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.098 ug/L
 RT: 7.04 min Scan# 1849
 Delta R.T. -0.04 min
 Lab File: VV008323.D
 Acq: 17 Oct 2018 04:09

Tgt Ion: 75 Resp: 887
 Ion Ratio Lower Upper
 75 100
 77 49.6 22.3 41.3#





#42

Toluene

Concen: 0.089 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV008323.D

Acq: 17 Oct 2018 04:09

Instrument :

MSVOA_V

ClientSampleId :

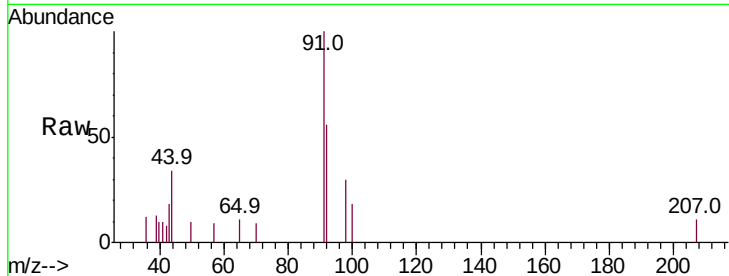
C0JC1

Tot Ion: 91 Resp: 2166

Ion Ratio Lower Upper

91 100

92 55.6 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV008308.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV008308.D (-1959) (-)

7.43

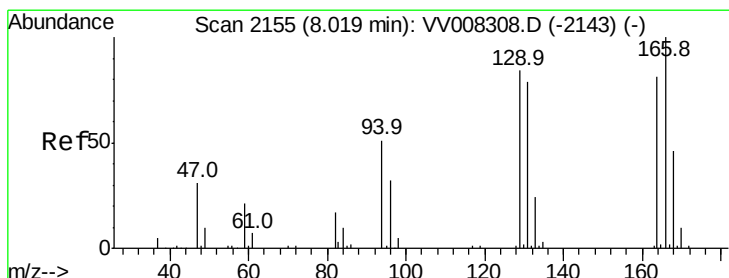
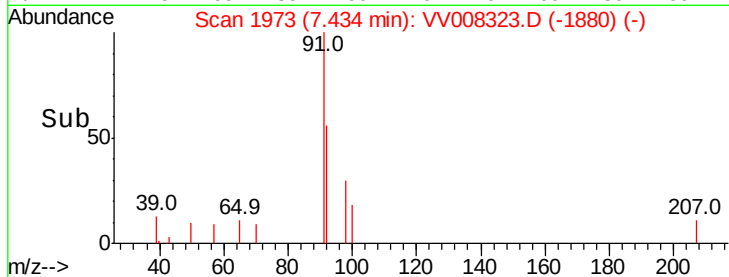
1500

1000

500

0

Time-->



#47

Tetrachloroethene

Concen: 1.206 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV008323.D

Acq: 17 Oct 2018 04:09

Tgt Ion: 164 Resp: 4901

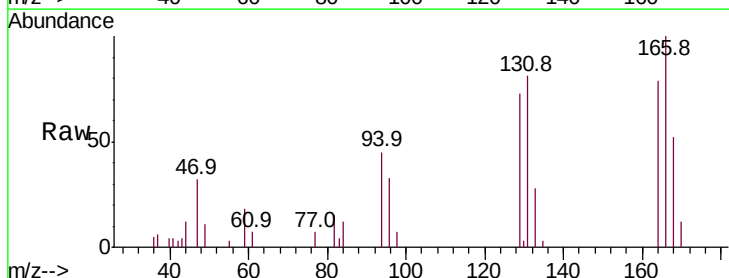
Ion Ratio Lower Upper

164 100

129 92.1 76.5 142.1

131 101.8 74.7 138.7

166 125.9 91.6 170.0



Abundance Ion 163.90 (163.60 to 164.60): VV008308.D (-2143) (-)

Ion 128.95 (128.65 to 129.65): VV008308.D (-2143) (-)

Ion 130.95 (130.65 to 131.65): VV008308.D (-2143) (-)

Ion 165.90 (165.60 to 166.60): VV008308.D (-2143) (-)

6000

5000

4000

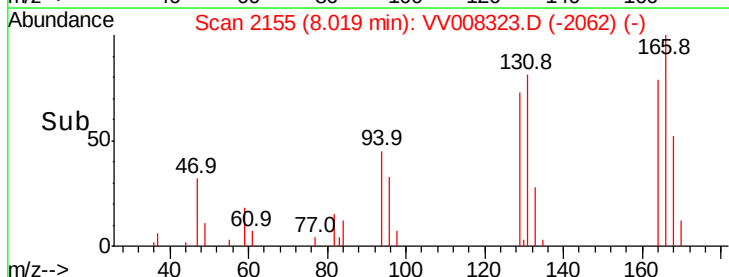
3000

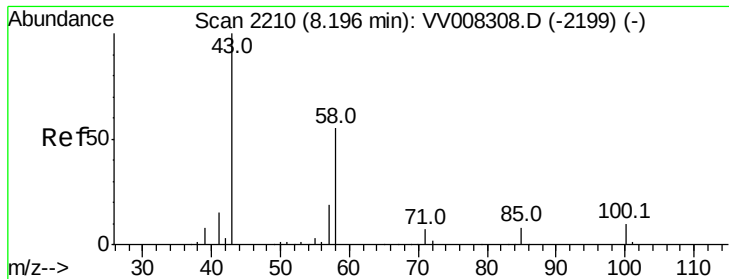
2000

1000

0

Time-->





#48

2-Hexanone

Concen: 4.646 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VV008323.D

Acq: 17 Oct 2018 04:09

Instrument :
MSVOA_V
ClientSampleId :
C0JC1

Tot Ion: 43 Resp: 13129

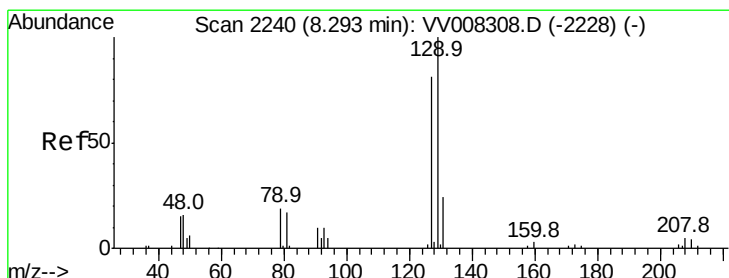
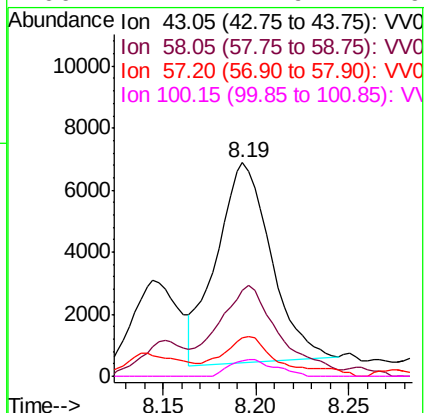
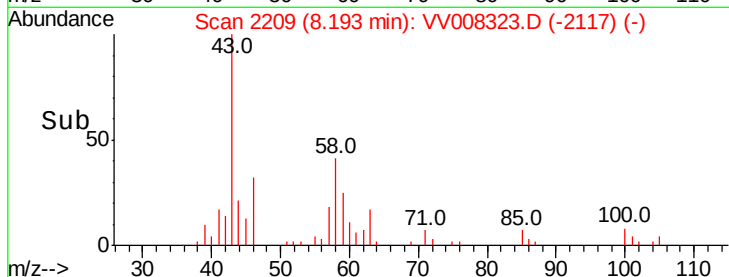
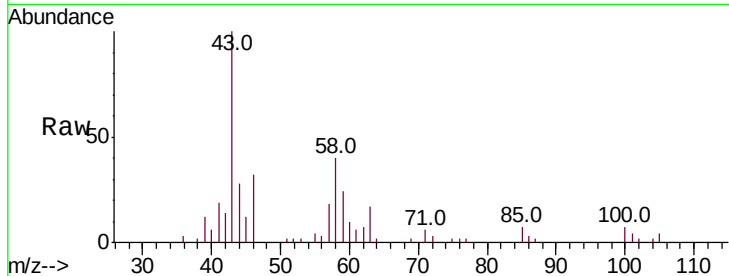
Ion Ratio Lower Upper

43 100

58 49.7 45.0 67.4

57 21.2 14.4 21.6

100 7.2 7.9 11.9#



#49

Dibromochloromethane

Concen: 1.091 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.27 min

Lab File: VV008323.D

Acq: 17 Oct 2018 04:09

Tgt Ion: 129 Resp: 4874

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#

