

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112018\
 Data File : VV008683.D
 Acq On : 20 Nov 2018 19:02
 Operator : SY/MD
 Sample : J5997-07
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E3YA5

Quant Time: Nov 21 01:36:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 21 01:28:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	280753	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	250469	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	97441	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	83403	42.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.22%
7) Chloroethane-d5	1.57	69	59581	55.07	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.14%
11) 1,1-Dichloroethene-d2	2.13	63	115407	35.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.60%
21) 2-Butanone-d5	3.94	46	145711	90.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.26%
24) Chloroform-d	4.41	84	178468	44.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.98%
26) 1,2-Dichloroethane-d4	5.09	65	120062	46.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.58%
32) Benzene-d6	5.10	84	380272	48.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.62%
36) 1,2-Dichloropropane-d6	6.12	67	120950	49.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.32%
41) Toluene-d8	7.36	98	332026	47.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.96%
43) trans-1,3-Dichloropropene-	7.67	79	45728	41.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.96%
47) 2-Hexanone-d5	8.13	63	98014	89.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.00%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	143950	43.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.66%
64) 1,2-Dichlorobenzene-d4	11.68	152	107503	50.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.08%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.23	85	3639	1.600 ug/L	95
8) Chloroethane	1.23	64	2657	2.481 ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1202	0.757 ug/L #	17
12) 1,1-Dichloroethene	2.14	96	3449	2.420 ug/L #	1
13) Acetone	2.20	43	7224	4.522 ug/L	100
17) trans-1,2-Dichloroethene	2.80	96	653	0.330 ug/L #	72
19) 1,1-Dichloroethane	3.23	63	41401	10.916 ug/L	99
20) cis-1,2-Dichloroethene	3.97	96	4160	1.840 ug/L	75
30) 1,1,1-Trichloroethane	4.66	97	27518	8.891 ug/L	96
31) Carbon tetrachloride	4.67	117	3413	1.326 ug/L	100
34) Trichloroethene	5.96	95	3398	1.592 ug/L	93
37) 1,2-Dichloropropane	6.12	63	12907	5.934 ug/L #	94
39) cis-1,3-Dichloropropene	7.03	75	2920	0.945 ug/L #	64
42) Toluene	7.43	91	13660	1.631 ug/L	94
44) trans-1,3-Dichloropropene	7.67	75	1942	0.691 ug/L	99
48) 2-Hexanone	8.13	43	11811	4.932 ug/L #	72
49) Dibromochloromethane	8.02	129	861	0.437 ug/L #	8

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Quant Title : VOC Analysis
QLast Update : Wed Nov 21 01:28:05 2018
Response via : Initial Calibration

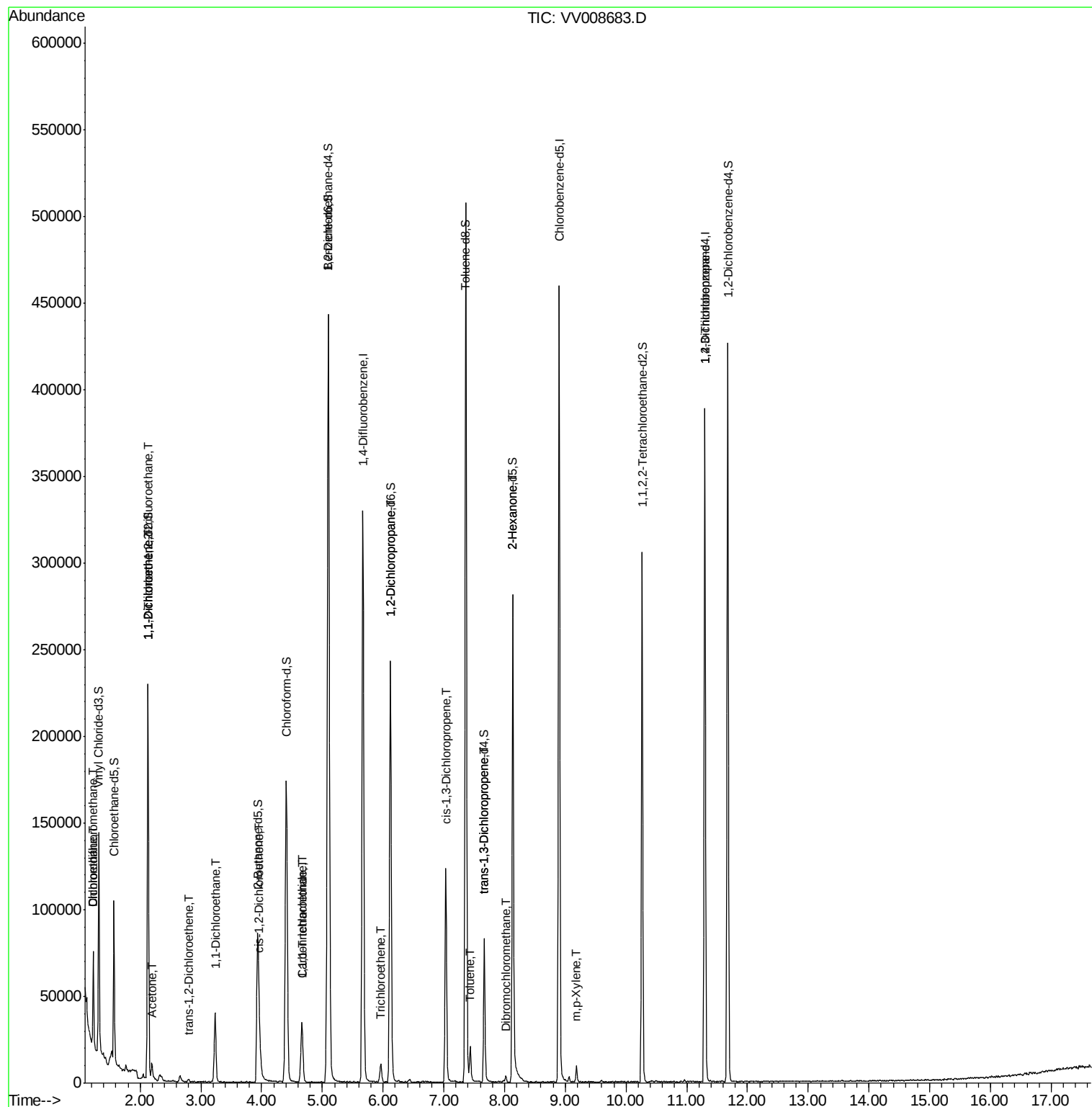
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.18	106	2775	0.822	ug/L	72
59) 1,2,3-Trichloropropane	11.30	75	11739	4.261	ug/L	92

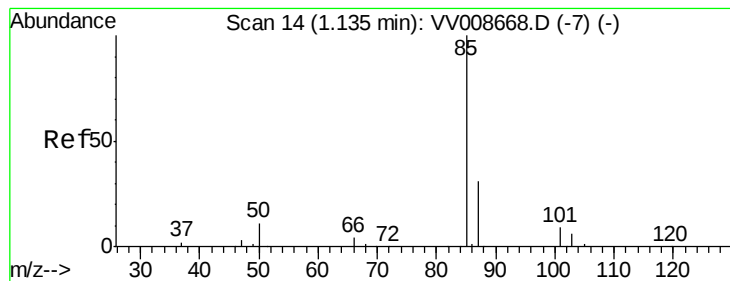
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV112018\
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Quant Time: Nov 21 01:36:52 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112018WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 21 01:28:05 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.600 ug/L

RT: 1.23 min Scan# 43

Delta R.T. 0.09 min

Lab File: VV008683.D

Acq: 20 Nov 2018 19:02

Instrument :

MSVOA_V

ClientSampleId :

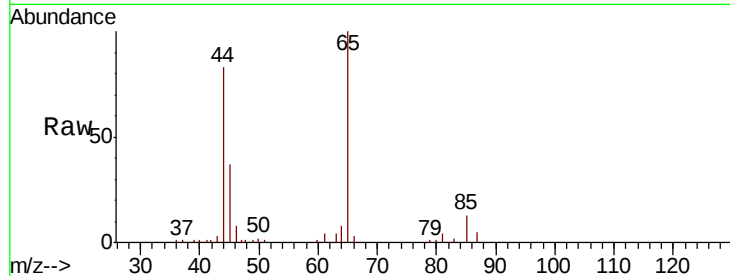
E3YA5

Tgt Ion: 85 Resp: 3639

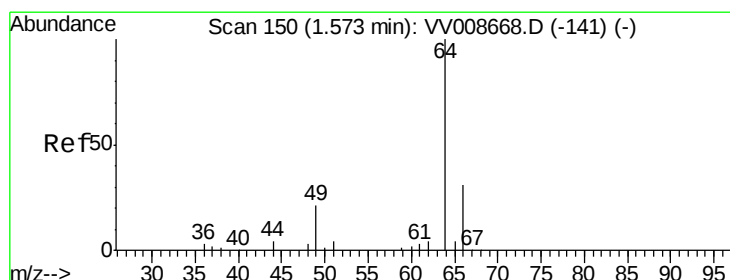
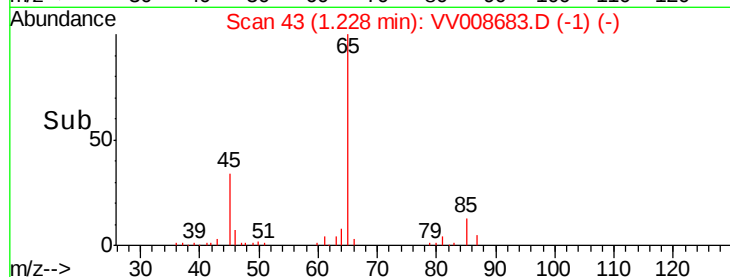
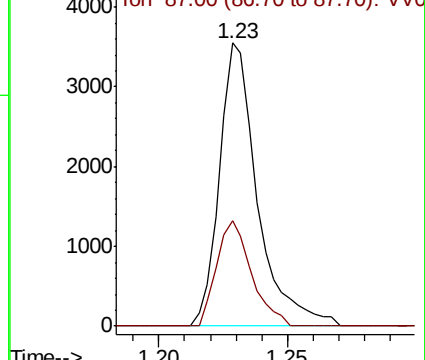
Ion Ratio Lower Upper

85 100

87 33.9 24.8 37.2



Abundance Ion 85.00 (84.70 to 85.70): VV008683.D (-1) (-)



#8

Chloroethane

Concen: 2.481 ug/L

RT: 1.23 min Scan# 43

Delta R.T. -0.37 min

Lab File: VV008683.D

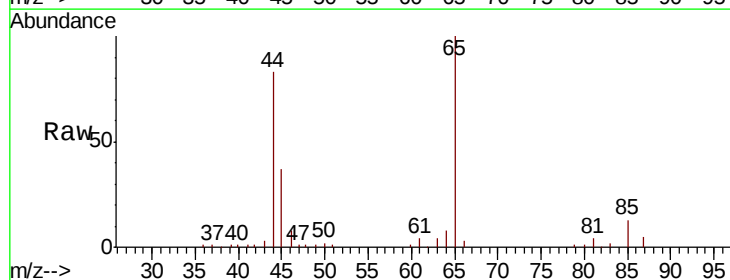
Acq: 20 Nov 2018 19:02

Tgt Ion: 64 Resp: 2657

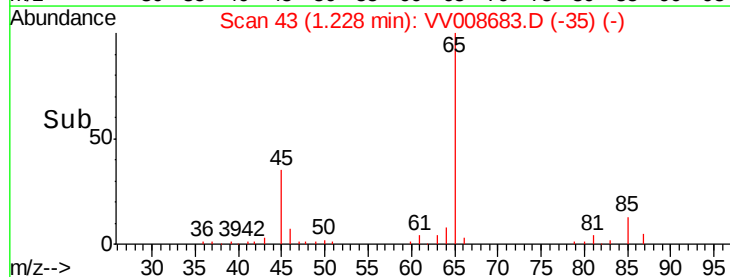
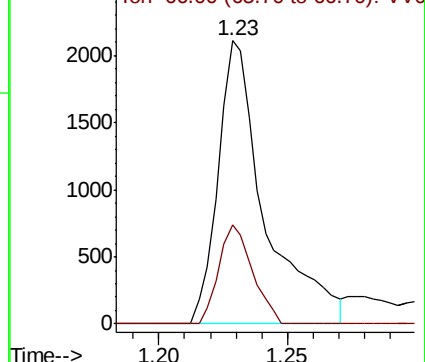
Ion Ratio Lower Upper

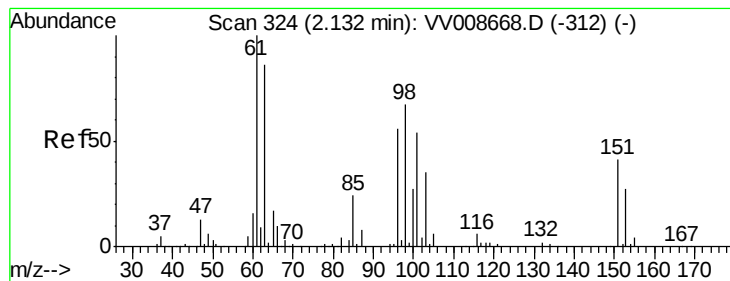
64 100

66 35.1 21.0 39.0



Abundance Ion 64.00 (63.70 to 64.70): VV008683.D (-35) (-)





#10

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

Concen: 0.757 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV008683.D

Acq: 20 Nov 2018 19:02

Instrument :

MSVOA_V

ClientSampleId :

E3YA5

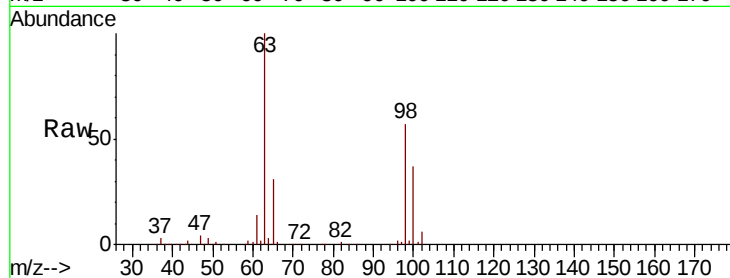
Tgt Ion: 101 Resp: 1202

Ion Ratio Lower Upper

101 100

85 0.0 37.0 55.6#

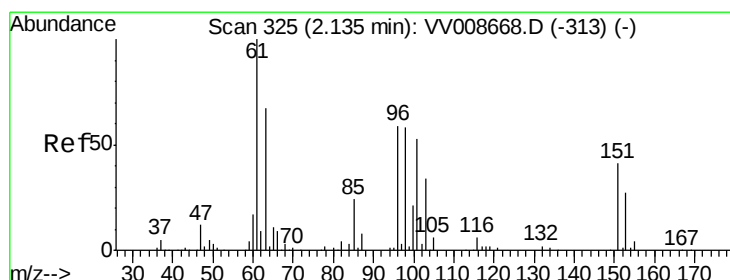
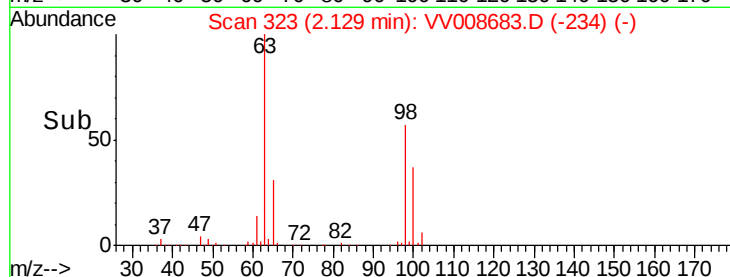
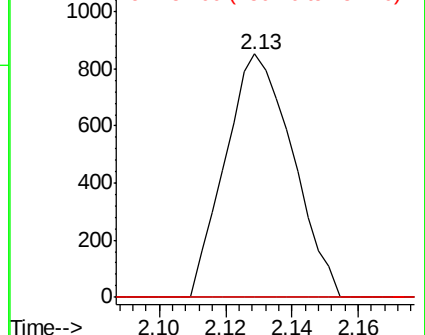
151 0.0 63.8 95.8#



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: 2.420 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008683.D

Acq: 20 Nov 2018 19:02

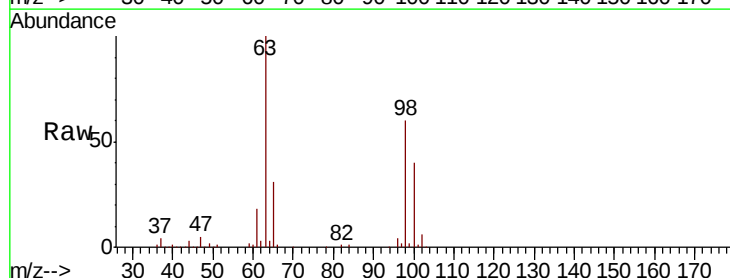
Tgt Ion: 96 Resp: 3449

Ion Ratio Lower Upper

96 100

61 403.0 120.3 223.3#

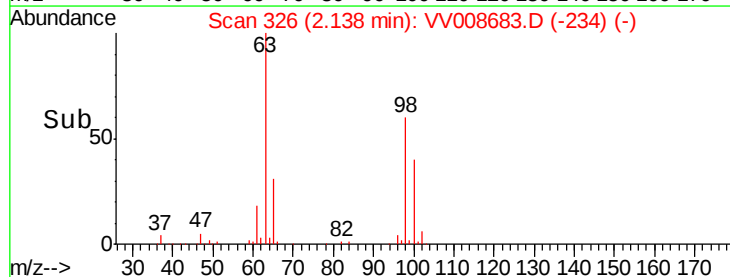
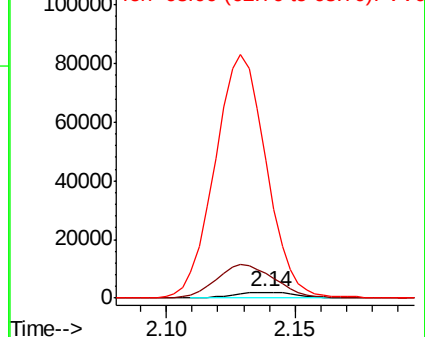
63 2247.3 113.3 210.5#

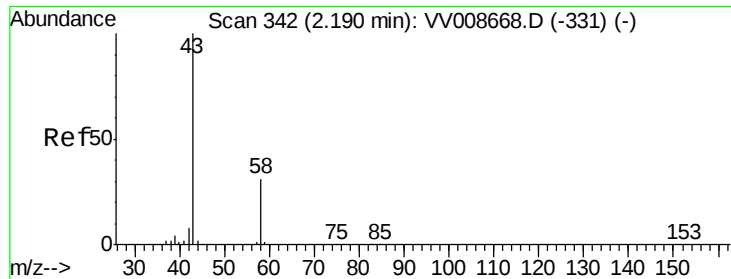


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 4.522 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

Lab File: VV008683.D

Acq: 20 Nov 2018 19:02

Instrument :

MSVOA_V

ClientSampleId :

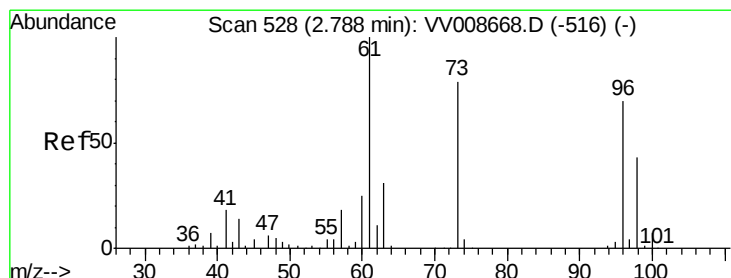
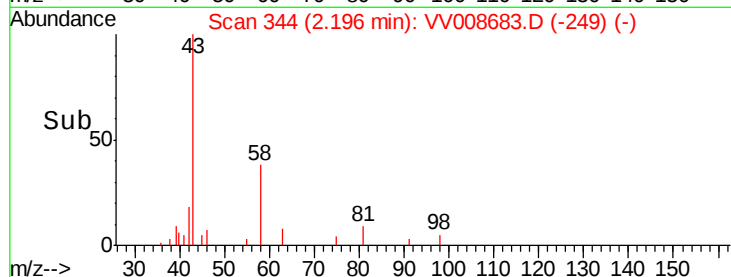
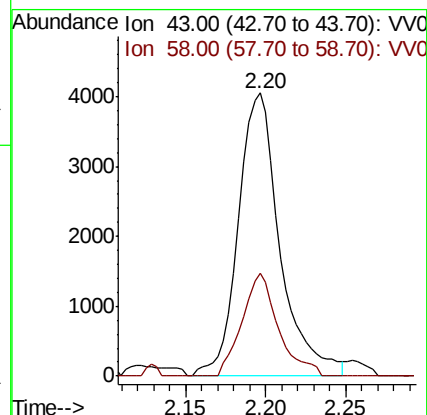
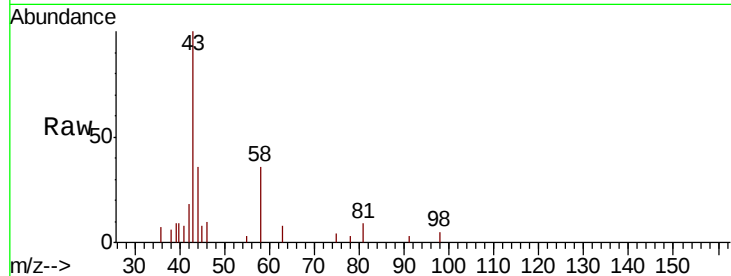
E3YA5

Tgt Ion: 43 Resp: 7224

Ion Ratio Lower Upper

43 100

58 31.5 0.0 62.8



#17

trans-1,2-Dichloroethene

Concen: 0.330 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV008683.D

Acq: 20 Nov 2018 19:02

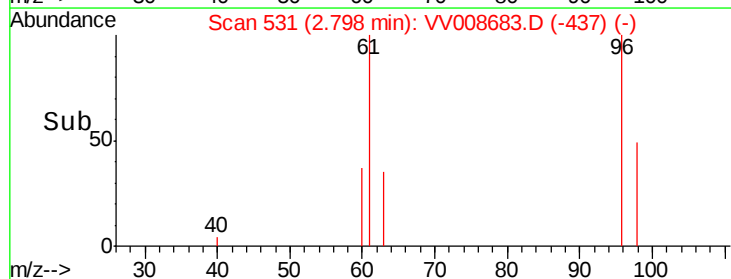
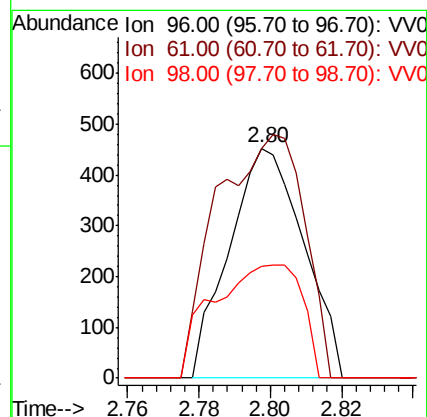
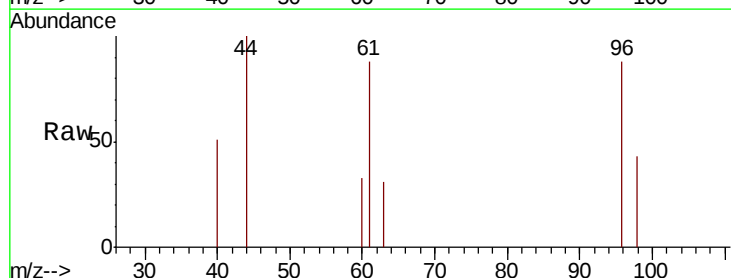
Tgt Ion: 96 Resp: 653

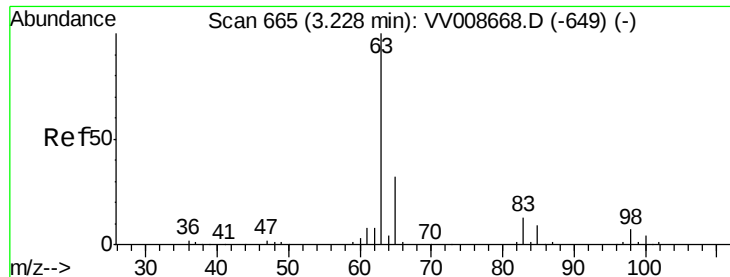
Ion Ratio Lower Upper

96 100

61 100.0 100.4 186.4#

98 48.9 39.5 73.3

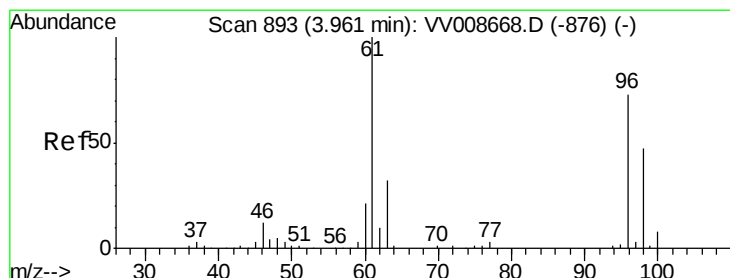
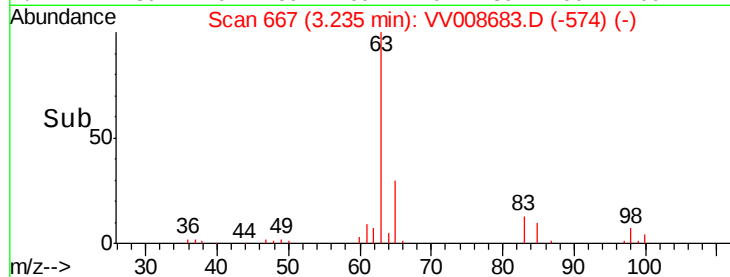
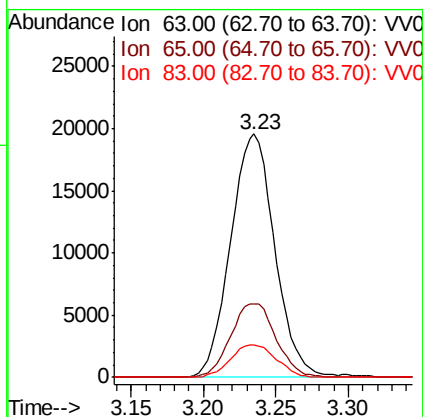
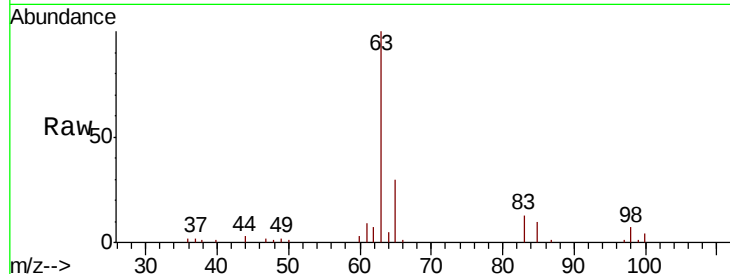




#19
 1,1-Dichloroethane
 Concen: 10.916 ug/L
 RT: 3.23 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VV008683.D
 Acq: 20 Nov 2018 19:02

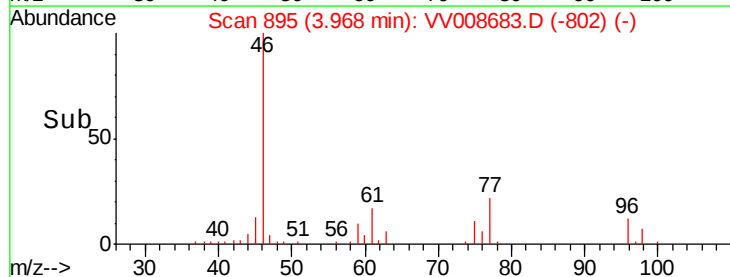
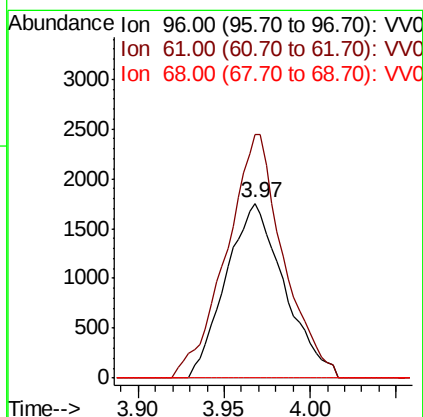
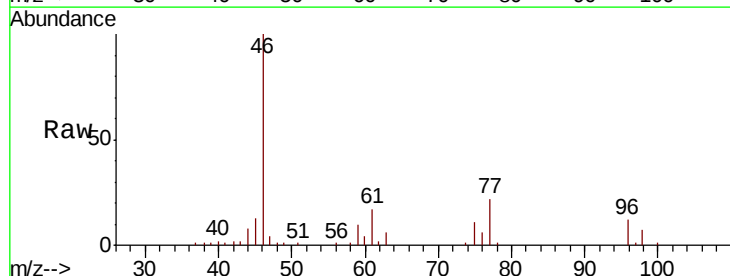
Instrument :
 MSVOA_V
 ClientSampleID :
 E3YA5

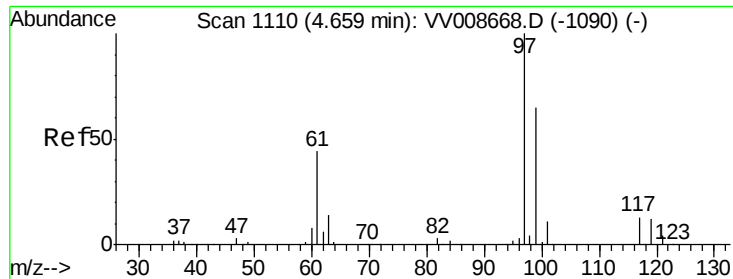
Tgt Ion: 63 Resp: 41401
 Ion Ratio Lower Upper
 63 100
 65 30.3 20.9 38.9
 83 13.3 9.9 18.5



#20
 cis-1,2-Dichloroethene
 Concen: 1.840 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV008683.D
 Acq: 20 Nov 2018 19:02

Tgt Ion: 96 Resp: 4160
 Ion Ratio Lower Upper
 96 100
 61 139.5 78.8 146.3
 68 0.0 0.0 0.0

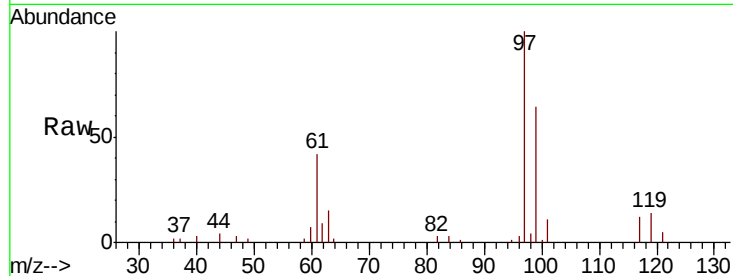




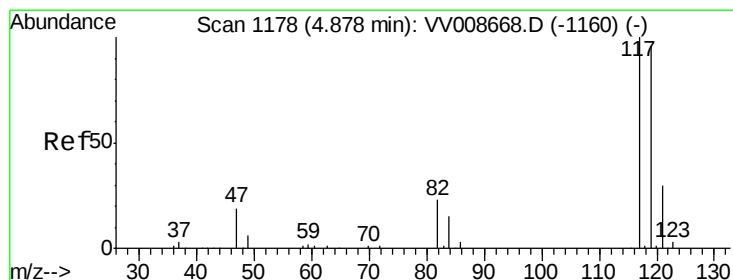
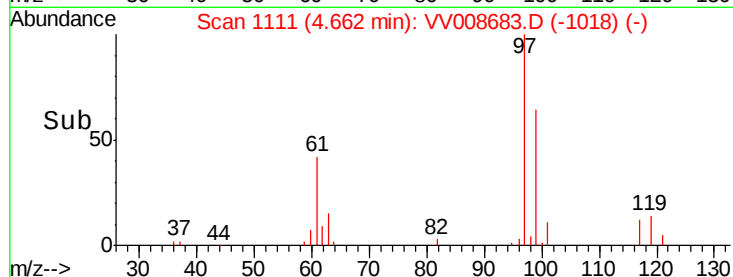
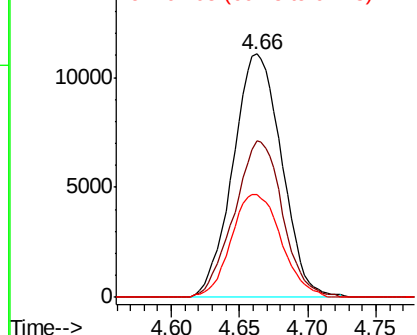
#30
 1,1,1-Trichloroethane
 Concen: 8.891 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VV008683.D
 Acq: 20 Nov 2018 19:02

Instrument :
 MSVOA_V
 ClientSampled :
 E3YA5

Tgt Ion: 97 Resp: 27518
 Ion Ratio Lower Upper
 97 100
 99 63.8 53.0 79.6
 61 43.4 37.4 56.2

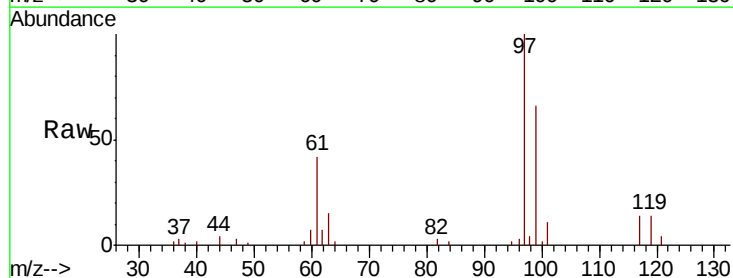


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0

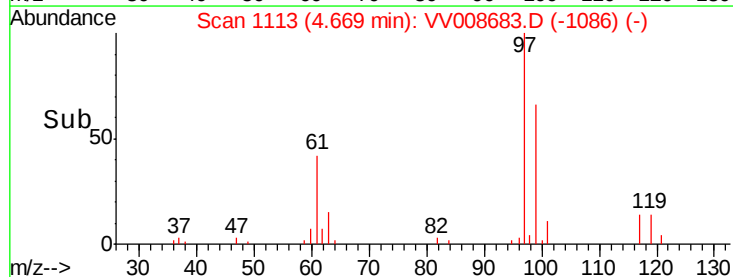
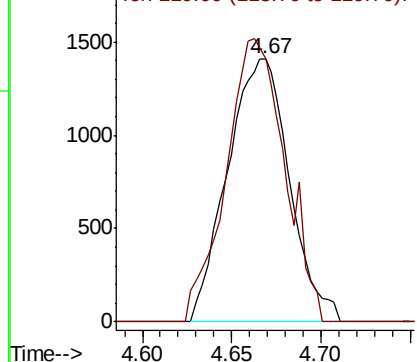


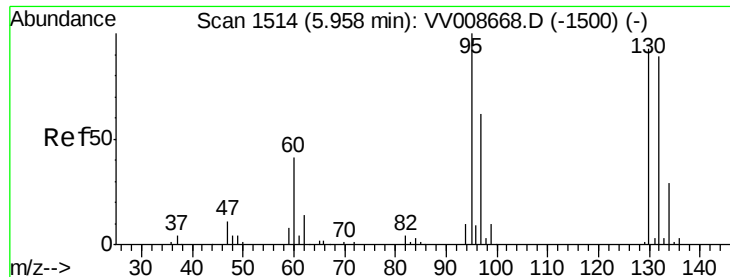
#31
 Carbon tetrachloride
 Concen: 1.326 ug/L
 RT: 4.67 min Scan# 1113
 Delta R.T. -0.21 min
 Lab File: VV008683.D
 Acq: 20 Nov 2018 19:02

Tgt Ion: 117 Resp: 3413
 Ion Ratio Lower Upper
 117 100
 119 94.4 75.6 113.4



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V





#34

Trichloroethene

Concen: 1.592 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008683.D

Acq: 20 Nov 2018 19:02

Instrument :

MSVOA_V

ClientSampleId :

E3YA5

Tgt Ion: 95 Resp: 3398

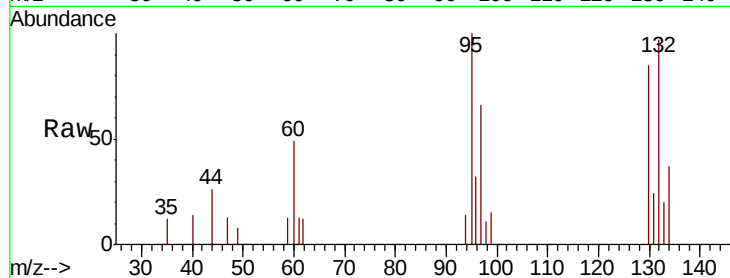
Ion Ratio Lower Upper

95 100

97 66.4 43.8 81.3

132 97.0 58.3 108.3

130 84.8 60.3 112.1



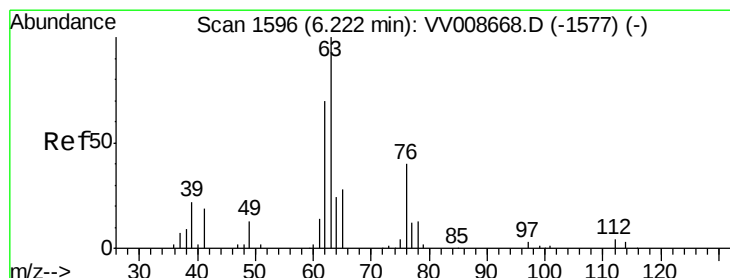
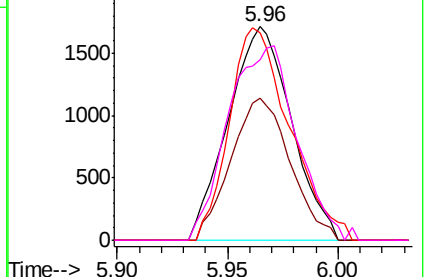
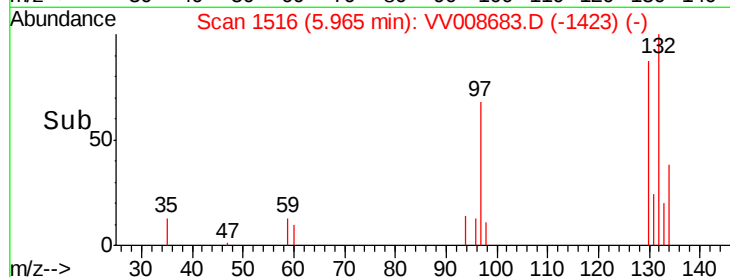
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

Time--> 5.90



#37

1,2-Dichloropropane

Concen: 5.934 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VV008683.D

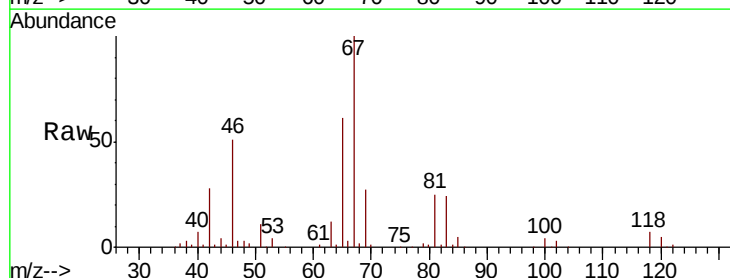
Acq: 20 Nov 2018 19:02

Tgt Ion: 63 Resp: 12907

Ion Ratio Lower Upper

63 100

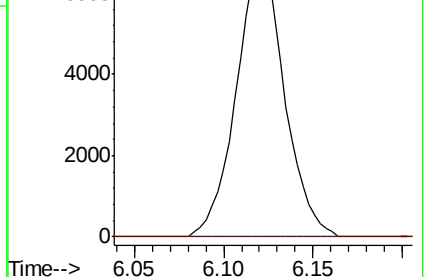
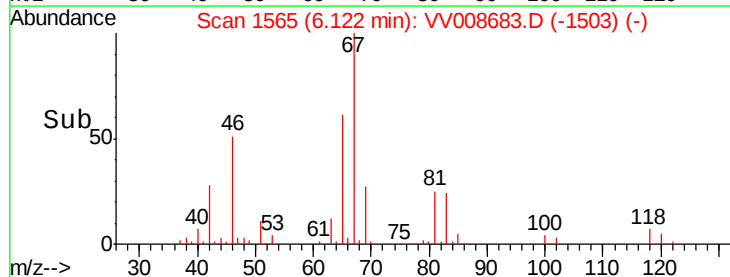
112 0.0 1.6 2.4#

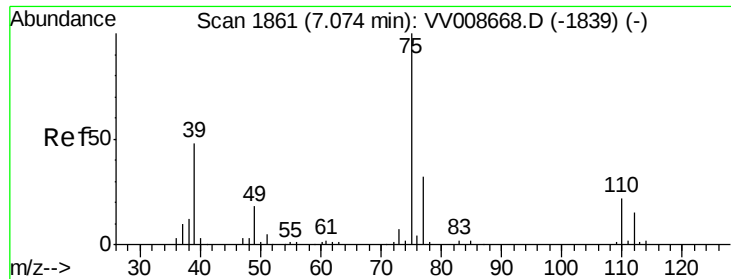


Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V

Time--> 6.05

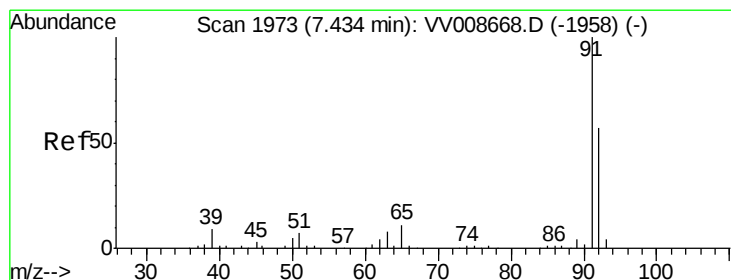
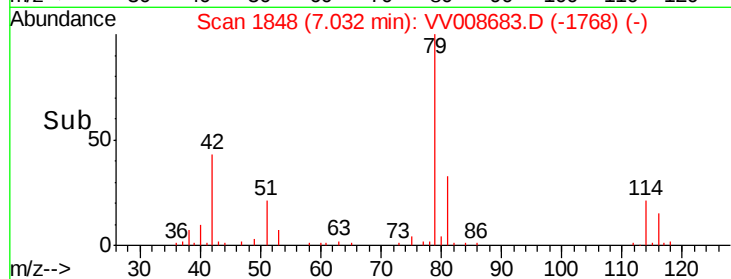
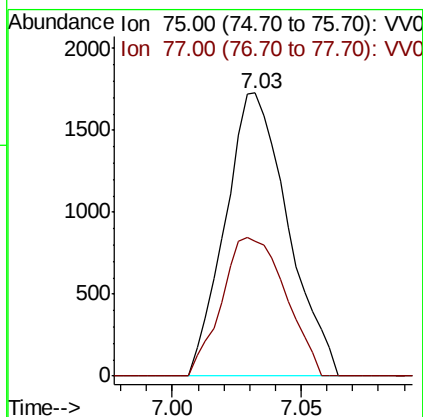
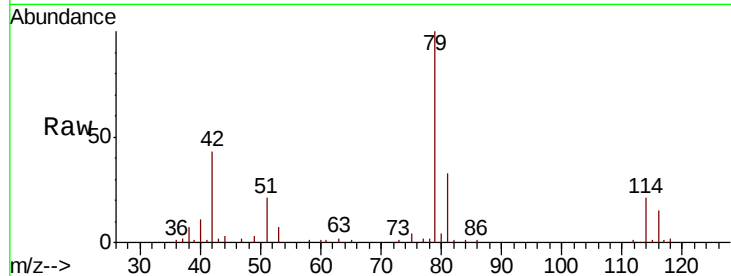




#39
 cis-1,3-Dichloropropene
 Concen: 0.945 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV008683.D
 Acq: 20 Nov 2018 19:02

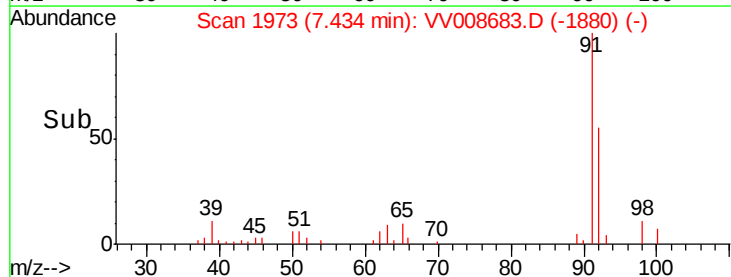
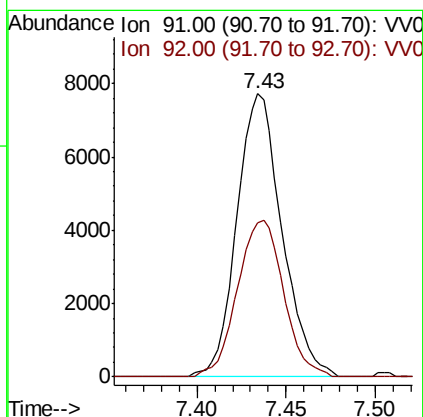
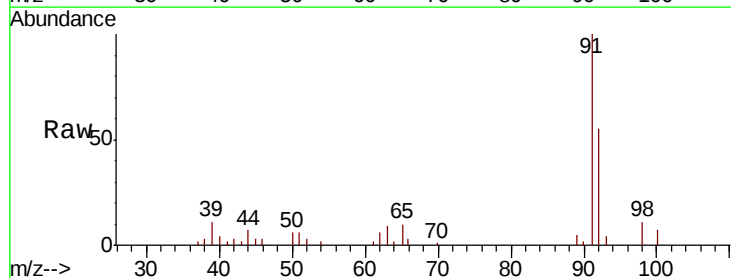
Instrument :
 MSVOA_V
 ClientSampleId :
 E3YA5

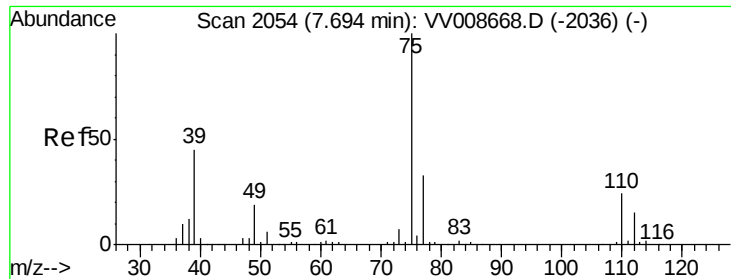
Tgt Ion: 75 Resp: 2920
 Ion Ratio Lower Upper
 75 100
 77 47.7 20.2 37.4#



#42
 Toluene
 Concen: 1.631 ug/L
 RT: 7.43 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VV008683.D
 Acq: 20 Nov 2018 19:02

Tgt Ion: 91 Resp: 13660
 Ion Ratio Lower Upper
 91 100
 92 54.5 41.6 77.2





#44

trans-1,3-Dichloropropene

Concen: 0.691 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV008683.D

Acq: 20 Nov 2018 19:02

Instrument :

MSVOA_V

ClientSampleId :

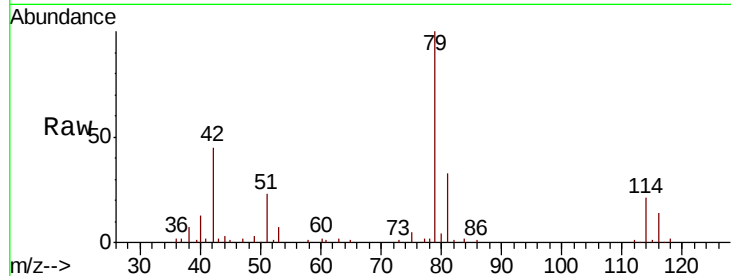
E3YA5

Tgt Ion: 75 Resp: 1942

Ion Ratio Lower Upper

75 100

77 35.9 24.6 45.8



Abundance Ion 75.00 (74.70 to 75.70): VV008668.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV008668.D (-2036) (-)

7.67

1500

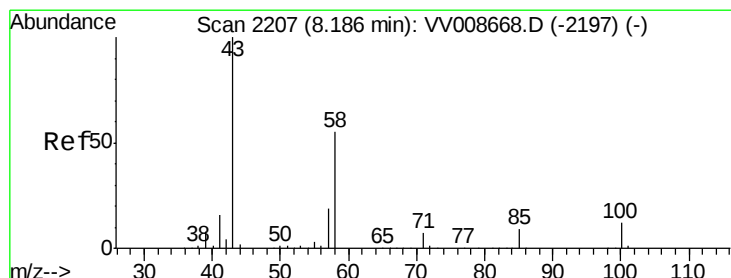
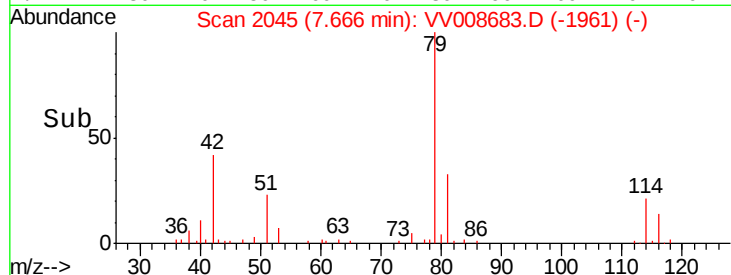
1000

500

0

7.65 7.70

Time-->



#48

2-Hexanone

Concen: 4.932 ug/L

RT: 8.13 min Scan# 2191

Delta R.T. -0.05 min

Lab File: VV008683.D

Acq: 20 Nov 2018 19:02

Tgt Ion: 43 Resp: 11811

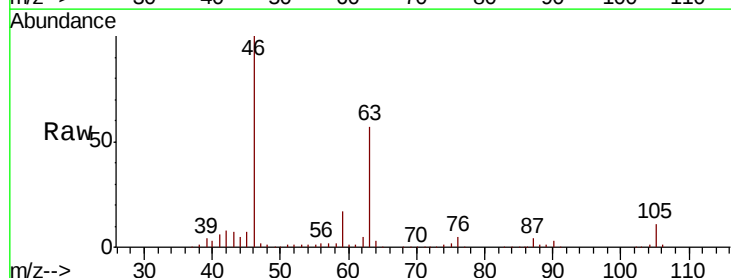
Ion Ratio Lower Upper

43 100

58 26.8 41.4 62.0#

57 24.6 17.1 25.7

100 0.0 9.2 13.8#



Abundance Ion 43.00 (42.70 to 43.70): VV008668.D (-2197) (-)

Ion 58.00 (57.70 to 58.70): VV008668.D (-2197) (-)

Ion 57.00 (56.70 to 57.70): VV008668.D (-2197) (-)

Ion 100.00 (99.70 to 100.70): VV008668.D (-2197) (-)

8.13

10000

8000

6000

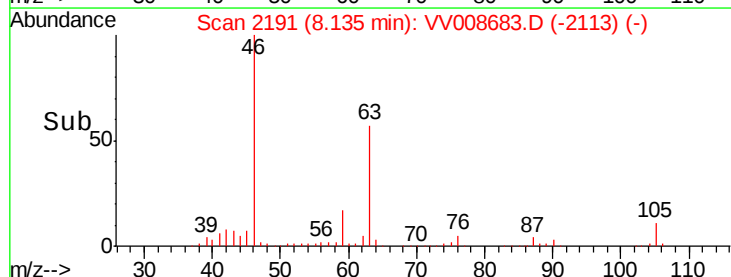
4000

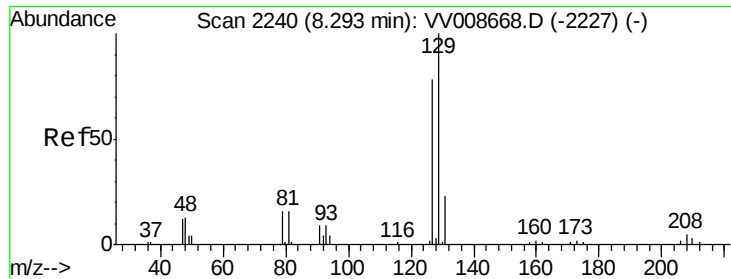
2000

0

8.10 8.15

Time-->





#49

Dibromochloromethane

Concen: 0.437 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV008683.D

Acq: 20 Nov 2018 19:02

Instrument :

MSVOA_V

ClientSampleId :

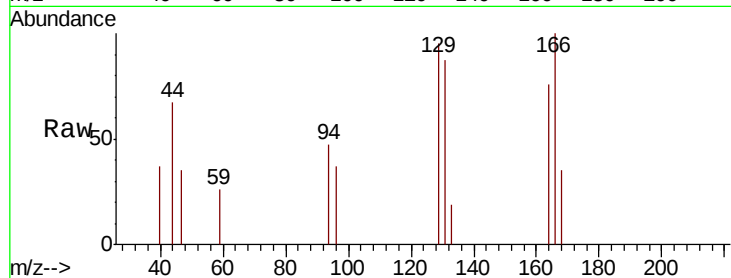
E3YA5

Tgt Ion:129 Resp: 861

Ion Ratio Lower Upper

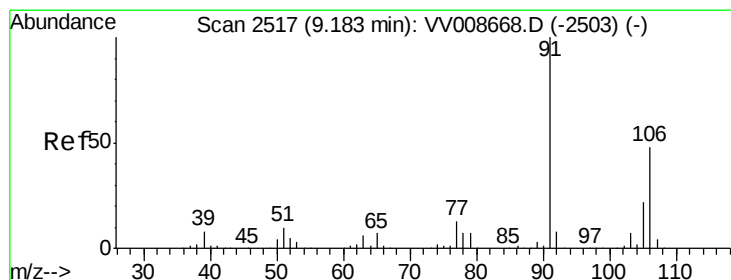
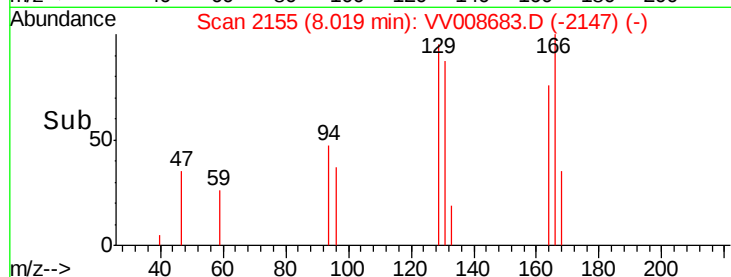
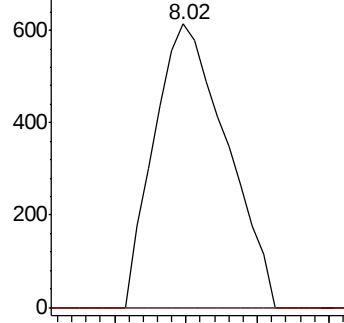
129 100

127 0.0 58.2 108.0#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#53

m,p-Xylene

Concen: 0.822 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008683.D

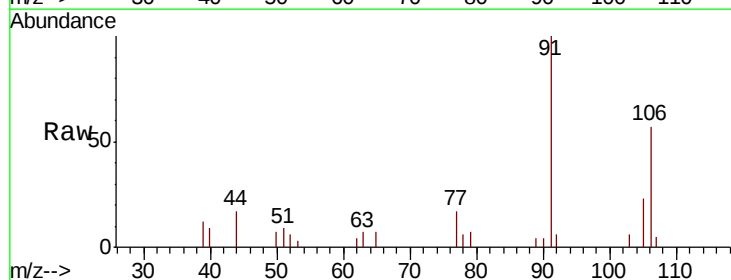
Acq: 20 Nov 2018 19:02

Tgt Ion:106 Resp: 2775

Ion Ratio Lower Upper

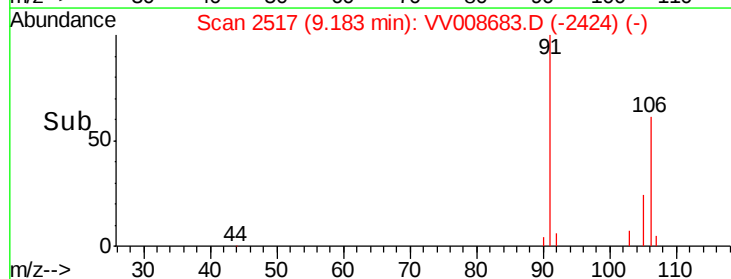
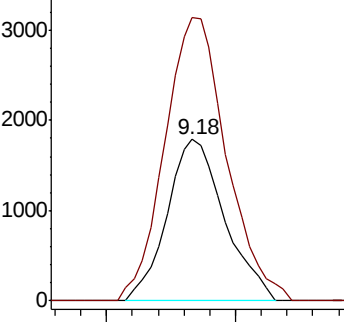
106 100

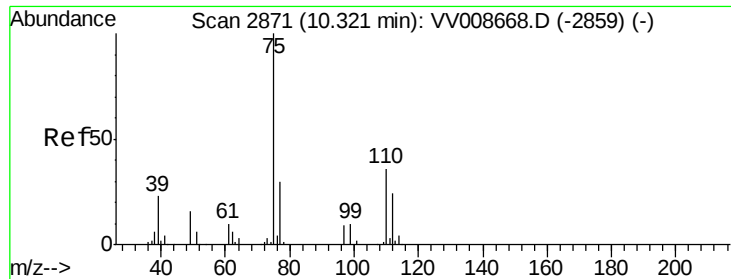
91 175.4 154.7 287.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#59
 1,2,3-Trichloropropane
 Concen: 4.261 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.97 min
 Lab File: VV008683.D
 Acq: 20 Nov 2018 19:02

Instrument :
 MSVOA_V
 ClientSampleId :
 E3YA5

Tgt Ion: 75 Resp: 11739
 Ion Ratio Lower Upper
 75 100
 77 36.9 26.0 39.0

