

Data File : VV011925.D
Acq On : 17 Jul 2019 21:04
Operator : SY/MD
Sample : K3823-15
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52R0

Quant Time: Jul 18 02:23:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 02:17:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	161210	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	157743	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	69838	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	77647	6.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	131.20%#
7) Chloroethane-d5	1.58	69	45311	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	2.13	63	77396	4.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.00%
20) 2-Butanone-d5	3.95	46	156226	52.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.48%
24) Chloroform-d	4.40	84	110737	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.08	65	61391	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.10	84	224884	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.12	67	71417	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.60%
41) Toluene-d8	7.36	98	190909	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
43) trans-1,3-Dichloropropene-	7.67	79	23042	4.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.60%
46) 2-Hexanone-d5	8.13	63	92429	44.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.26%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	42226	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	70256	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	1322	0.083 ug/L	93
5) Vinyl chloride	1.32	62	2833107	184.069 ug/L	100
8) Chloroethane	1.32	64	909548	103.907 ug/L #	42
12) 1,1-Dichloroethene	2.14	96	15503	1.804 ug/L #	21
13) Acetone	2.19	43	10175	6.705 ug/L	97
15) Methyl Acetate	2.46	43	2375	0.736 ug/L	92
18) trans-1,2-Dichloroethene	2.79	96	35324	2.924 ug/L	97
19) 1,1-Dichloroethane	3.23	63	17548	0.770 ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	8535115	686.290 ug/L #	97
25) Chloroform	4.43	83	2612	0.106 ug/L	98
34) Trichloroethene	5.96	95	599086	43.674 ug/L	99
37) 1,2-Dichloropropane	6.12	63	8539	0.709 ug/L #	89
42) Toluene	7.43	91	12065	0.233 ug/L	99
48) 2-Hexanone	8.18	43	8700	1.679 ug/L #	85
63) 1,4-Dichlorobenzene	11.32	146	2357	0.102 ug/L #	74
65) 1,2-Dichlorobenzene	11.69	146	3721	0.177 ug/L	90
66) 1,2-Dibromo-3-chloropropan	12.44	75	2912	2.435 ug/L #	8

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071719\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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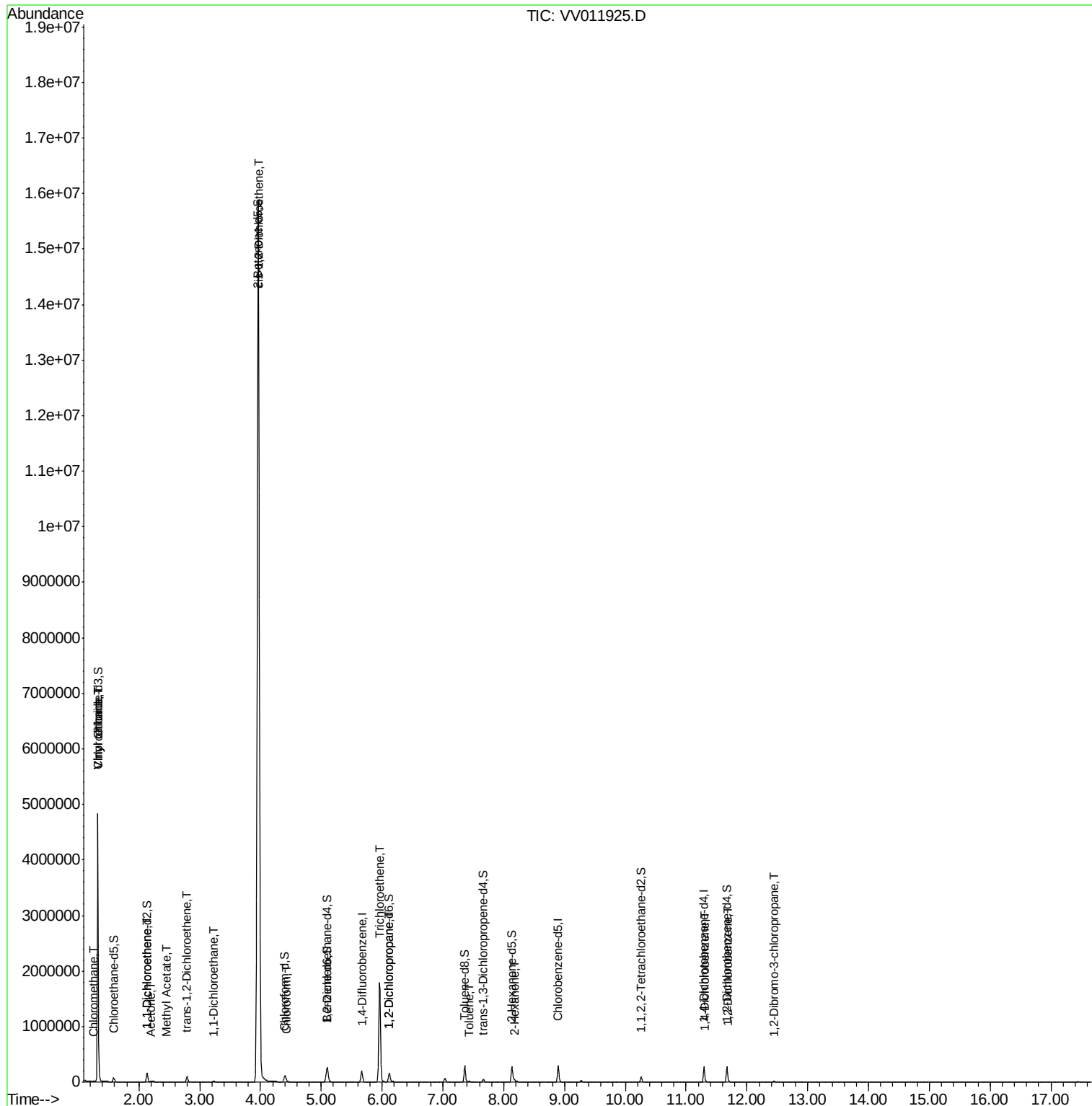
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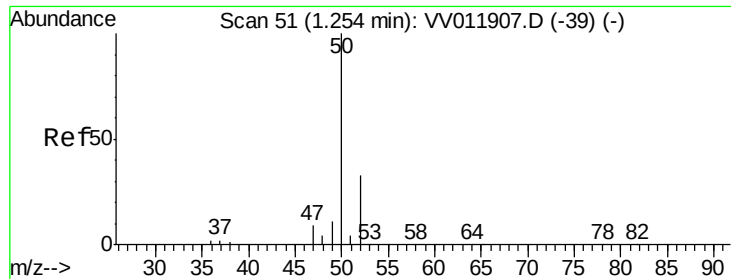
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.083 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV011925.D

Acq: 17 Jul 2019 21:04

Instrument :

MSVOA_V

ClientSampled :

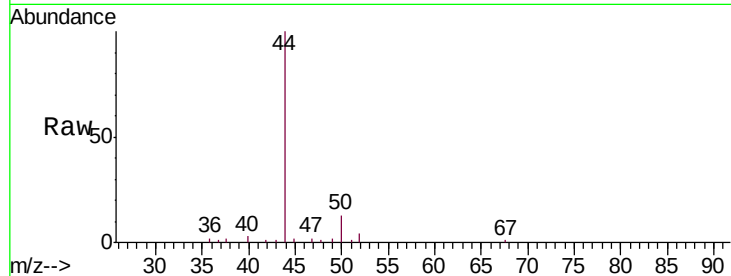
A52R0

Tgt Ion: 50 Resp: 1322

Ion Ratio Lower Upper

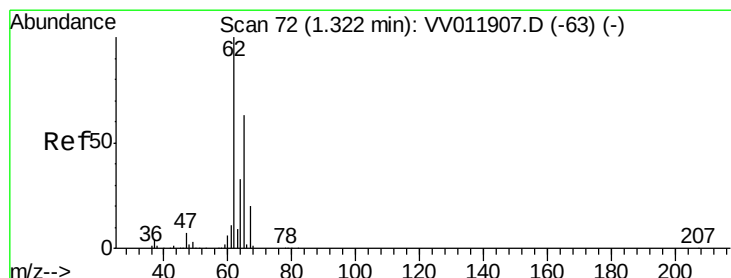
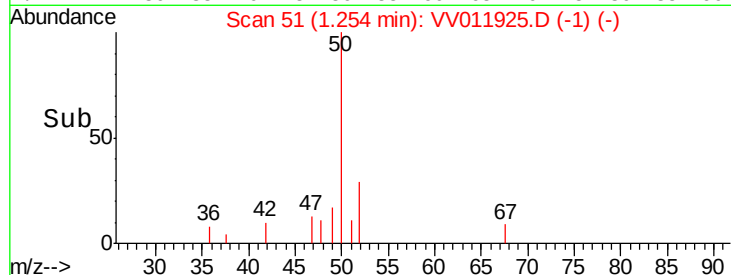
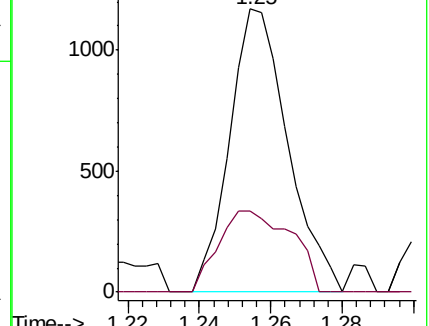
50 100

52 28.9 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#5

Vinyl chloride

Concen: 184.069 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV011925.D

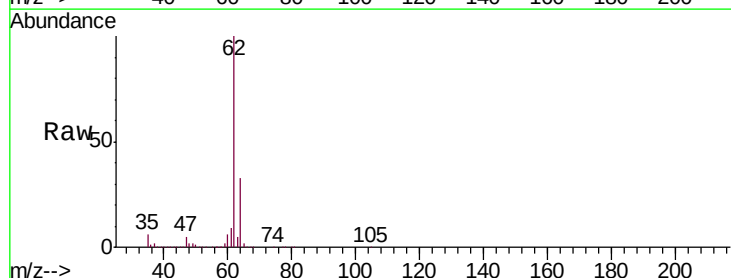
Acq: 17 Jul 2019 21:04

Tgt Ion: 62 Resp: 2833107

Ion Ratio Lower Upper

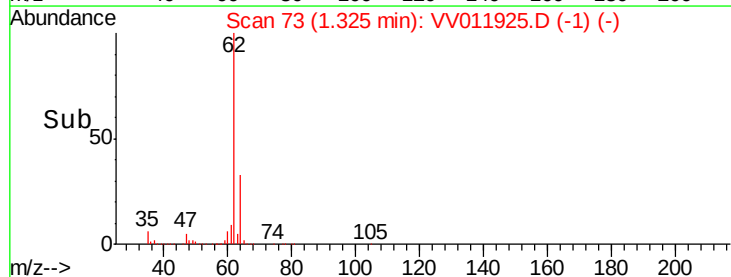
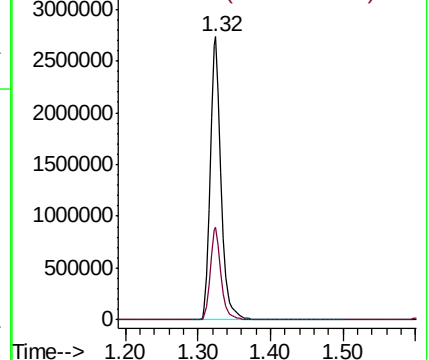
62 100

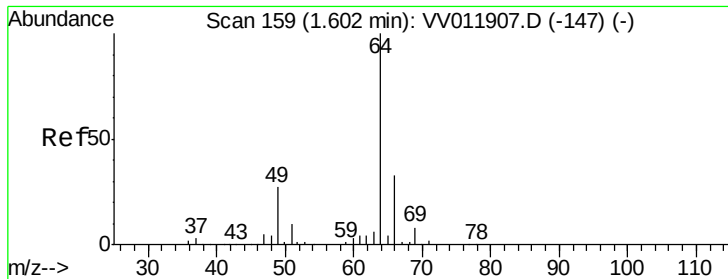
64 32.8 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0





#8

Chloroethane

Concen: 103.907 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.28 min

Lab File: VV011925.D

Acq: 17 Jul 2019 21:04

Instrument :

MSVOA_V

ClientSampleId :

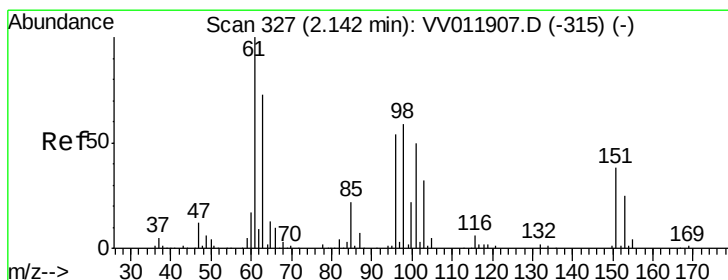
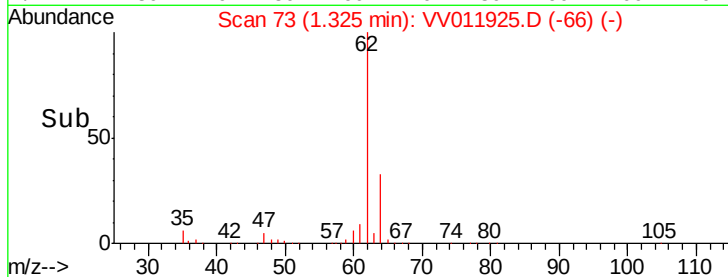
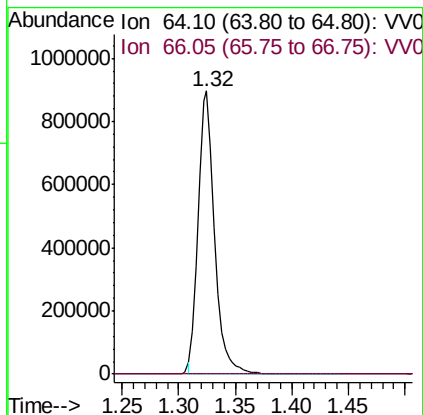
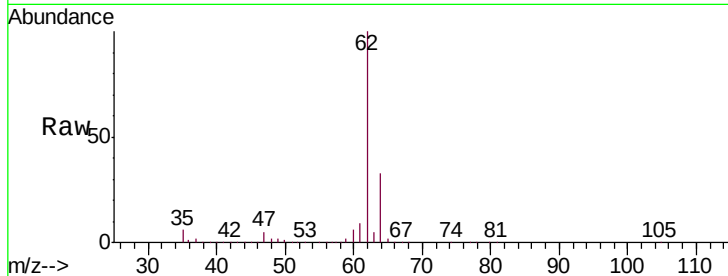
A52R0

Tgt Ion: 64 Resp: 909548

Ion Ratio Lower Upper

64 100

66 0.1 23.2 43.2#



#12

1,1-Dichloroethene

Concen: 1.804 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV011925.D

Acq: 17 Jul 2019 21:04

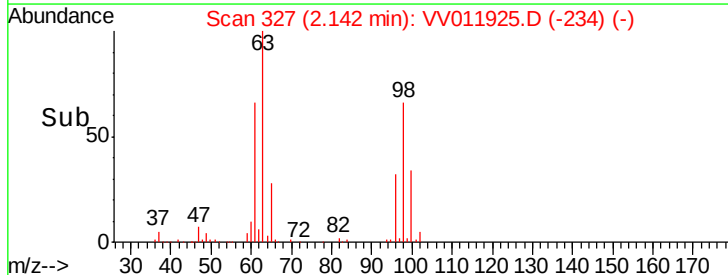
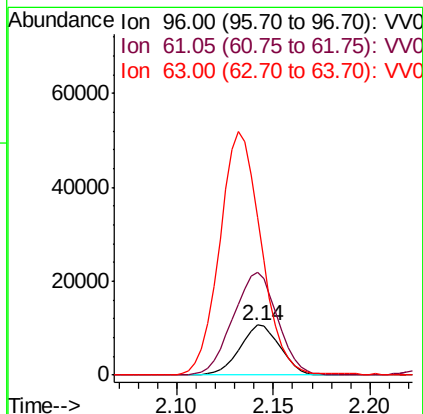
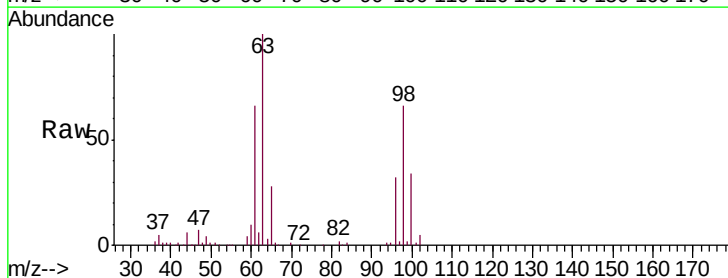
Tgt Ion: 96 Resp: 15503

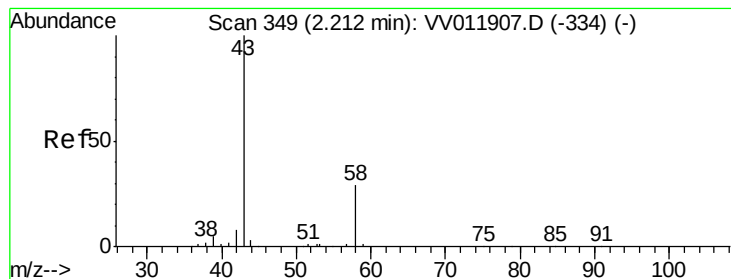
Ion Ratio Lower Upper

96 100

61 207.8 128.9 239.3

63 317.1 85.5 158.9#





#13

Acetone

Concen: 6.705 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.02 min

Lab File: VV011925.D

Acq: 17 Jul 2019 21:04

Instrument :

MSVOA_V

ClientSampleId :

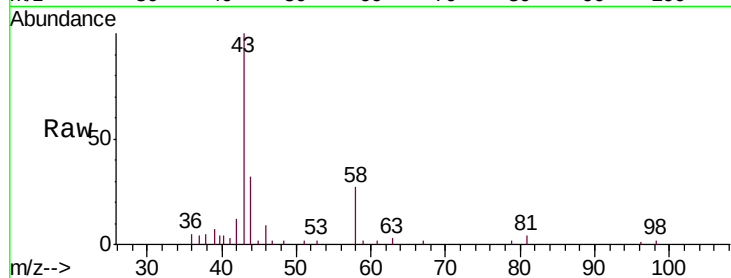
A52R0

Tgt Ion: 43 Resp: 10175

Ion Ratio Lower Upper

43 100

58 29.6 0.0 55.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

8000

6000

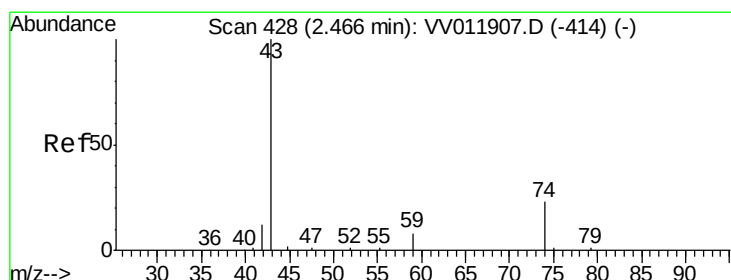
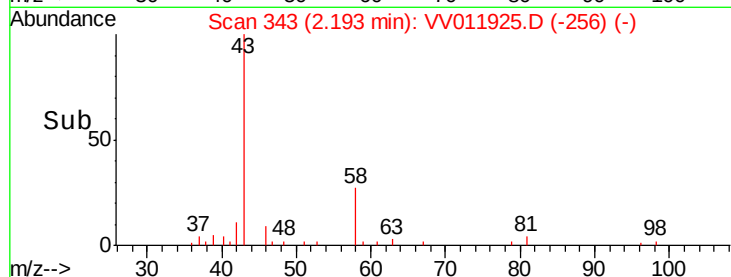
4000

2000

0

2.15 2.20 2.25

Time-->



#15

Methyl Acetate

Concen: 0.736 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VV011925.D

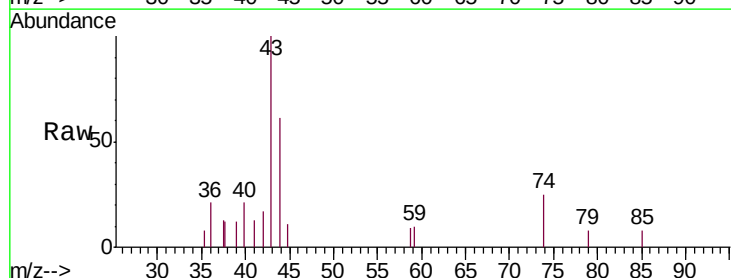
Acq: 17 Jul 2019 21:04

Tgt Ion: 43 Resp: 2375

Ion Ratio Lower Upper

43 100

74 18.8 18.3 27.5



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

1500

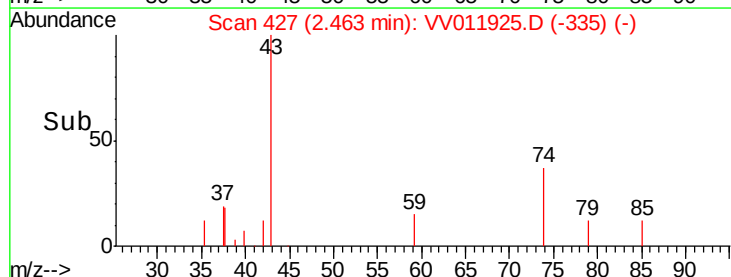
1000

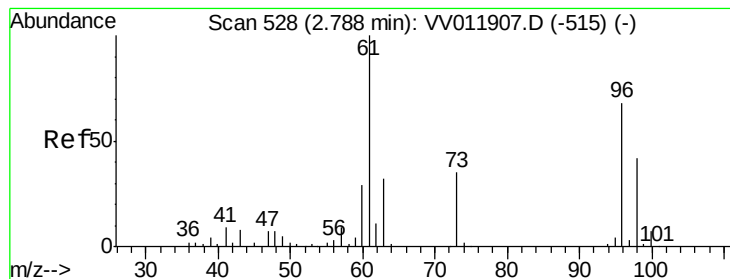
500

0

2.40 2.45 2.50

Time-->





#18

trans-1,2-Dichloroethene

Concen: 2.924 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV011925.D

Acq: 17 Jul 2019 21:04

Instrument :

MSVOA_V

ClientSampleId :

A52R0

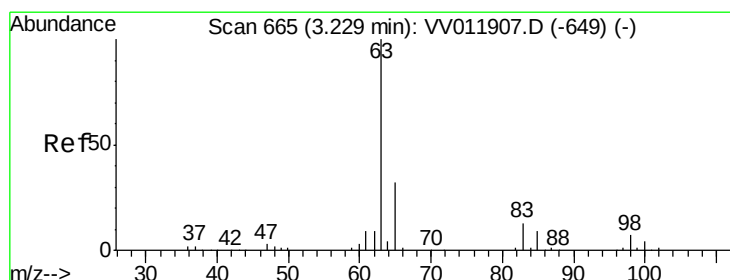
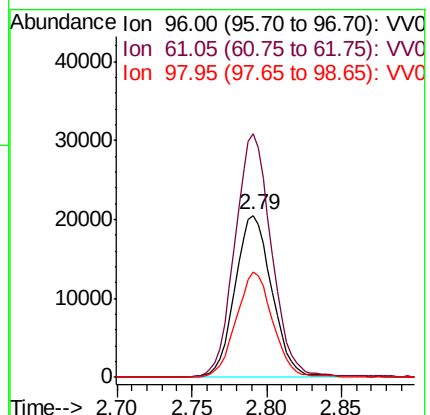
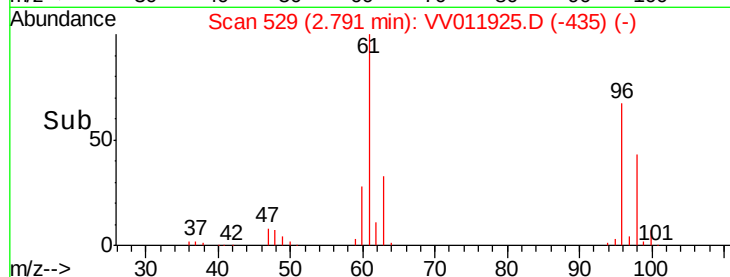
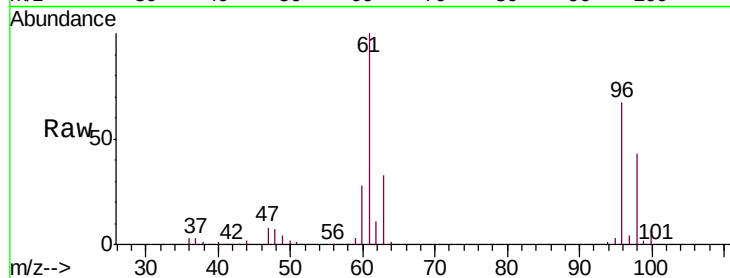
Tgt Ion: 96 Resp: 35324

Ion Ratio Lower Upper

96 100

61 150.3 102.2 189.8

98 64.8 44.4 82.5



#19

1,1-Dichloroethane

Concen: 0.770 ug/L

RT: 3.23 min Scan# 667

Delta R.T. 0.01 min

Lab File: VV011925.D

Acq: 17 Jul 2019 21:04

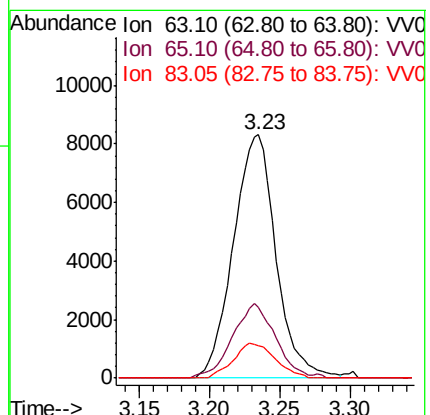
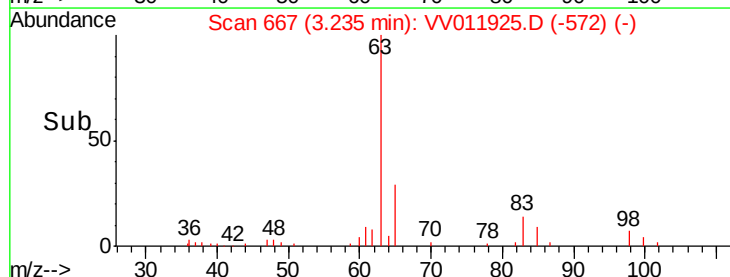
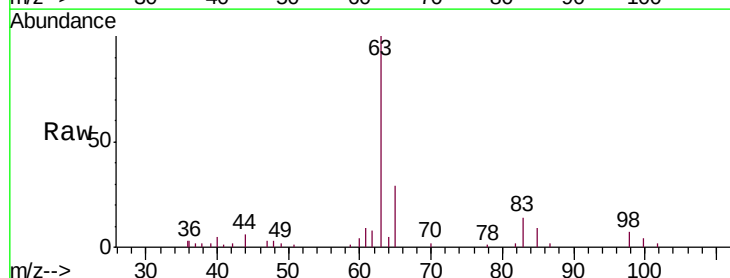
Tgt Ion: 63 Resp: 17548

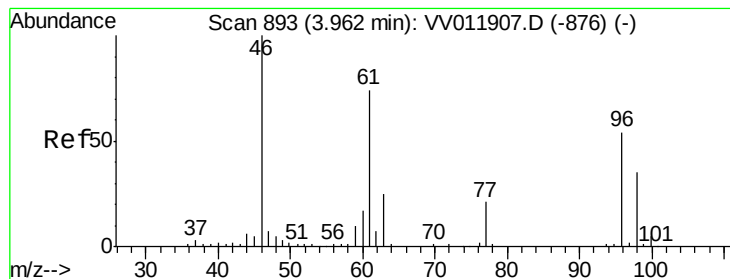
Ion Ratio Lower Upper

63 100

65 29.1 22.7 42.3

83 13.6 9.4 17.6



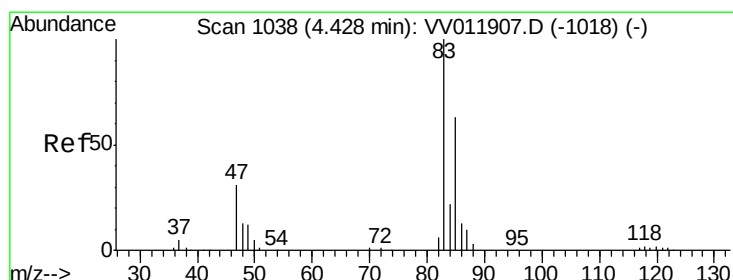
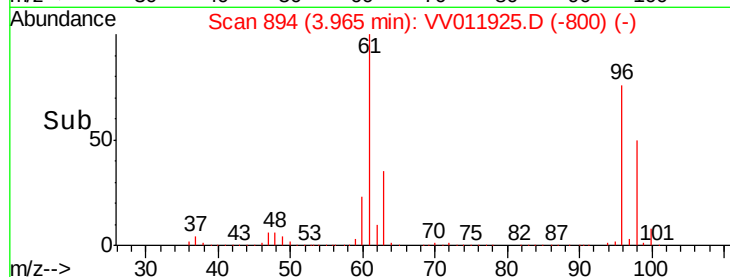
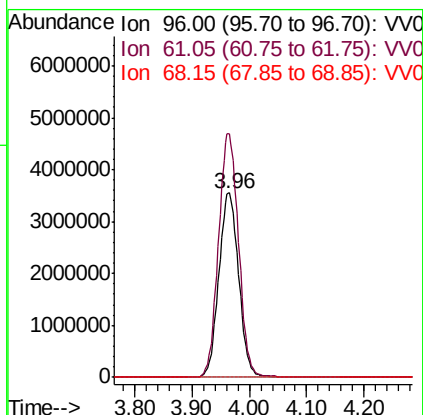
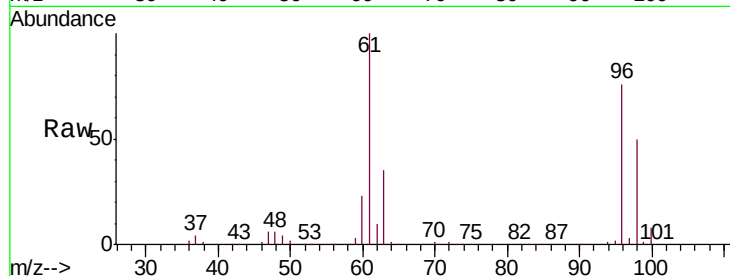


#22

cis-1,2-Dichloroethene
Concen: 686.290 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV011925.D
Acq: 17 Jul 2019 21:04

Instrument :
MSVOA_V
ClientSampleId :
A52R0

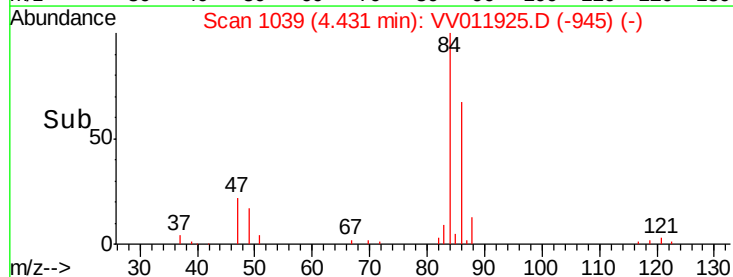
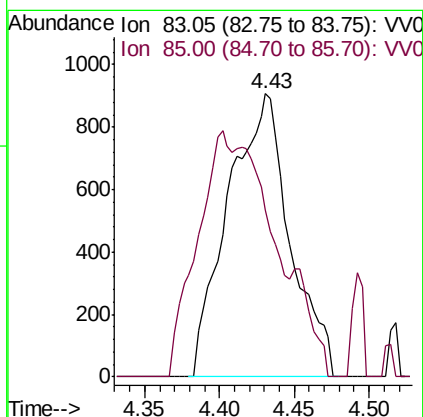
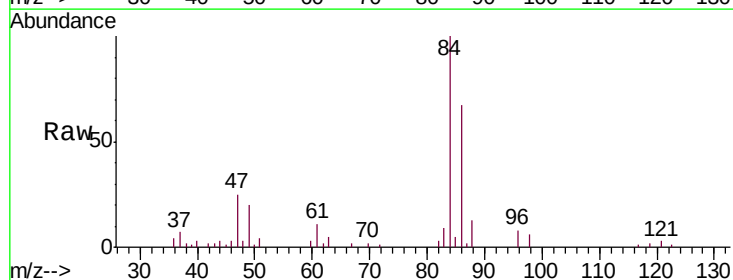
Tgt Ion: 96 Resp: 8535115
Ion Ratio Lower Upper
96 100
61 132.1 95.2 176.8
68 0.0 0.0 0.0#

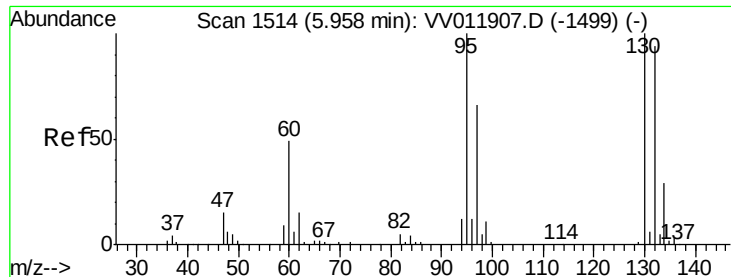


#25

Chloroform
Concen: 0.106 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV011925.D
Acq: 17 Jul 2019 21:04

Tgt Ion: 83 Resp: 2612
Ion Ratio Lower Upper
83 100
85 59.0 42.5 78.9

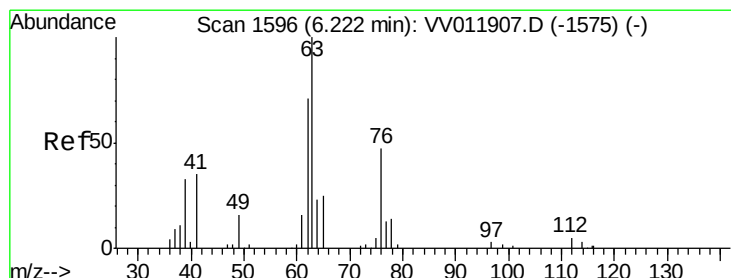
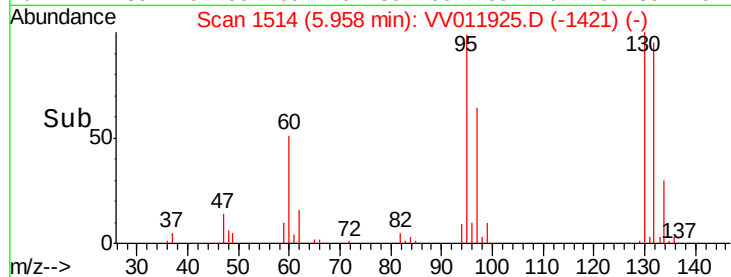
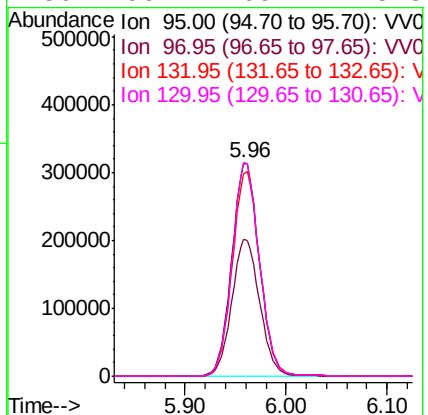
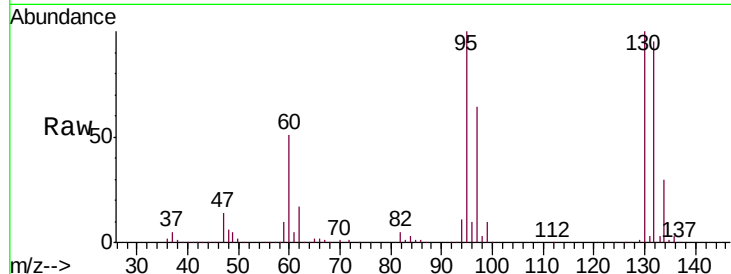




#34
 Trichloroethene
 Concen: 43.674 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV011925.D
 Acq: 17 Jul 2019 21:04

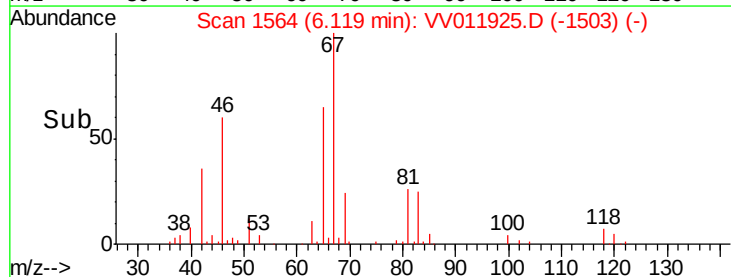
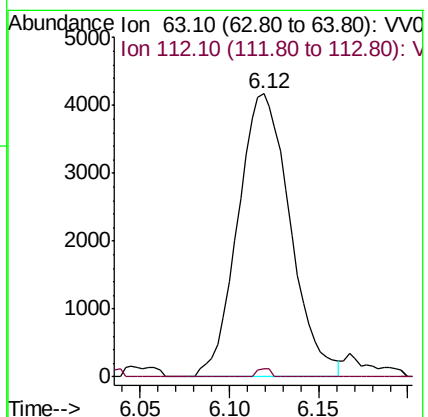
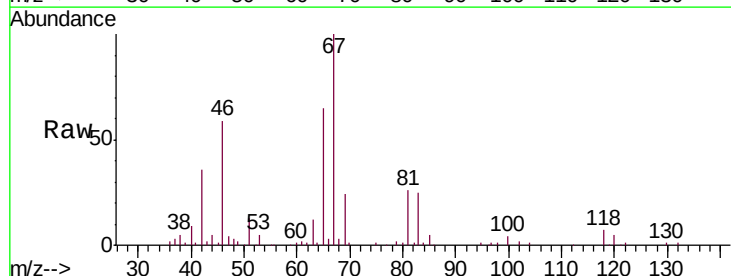
Instrument :
 MSVOA_V
 ClientSampleID :
 A52R0

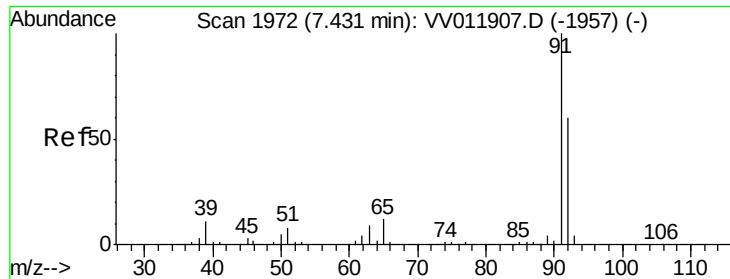
Tgt Ion:	95	Resp:	599086
Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.0	81.6
132	95.3	67.0	124.4
130	100.4	69.1	128.3



#37
 1,2-Dichloropropane
 Concen: 0.709 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV011925.D
 Acq: 17 Jul 2019 21:04

Tgt Ion:	63	Resp:	8539
Ion	Ratio	Lower	Upper
63	100		
112	0.8	3.4	5.2#





#42

Toluene

Concen: 0.233 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV011925.D

Acq: 17 Jul 2019 21:04

Instrument :

MSVOA_V

ClientSampleId :

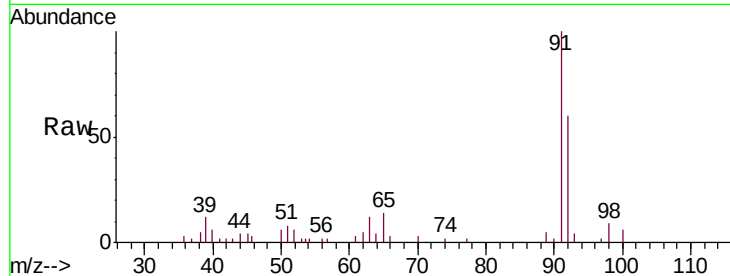
A52R0

Tgt Ion: 91 Resp: 12065

Ion Ratio Lower Upper

91 100

92 59.6 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV011907.D (-1957) (-)

Ion 92.15 (91.85 to 92.85): VV011907.D (-1957) (-)

7.43

6000

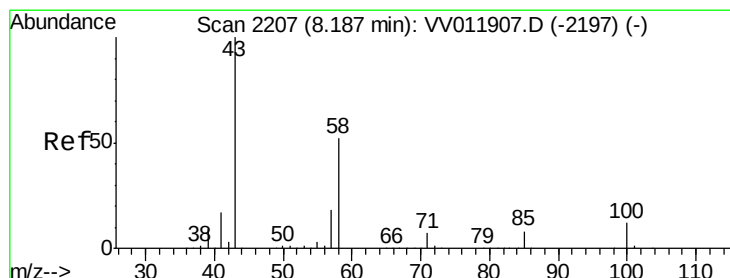
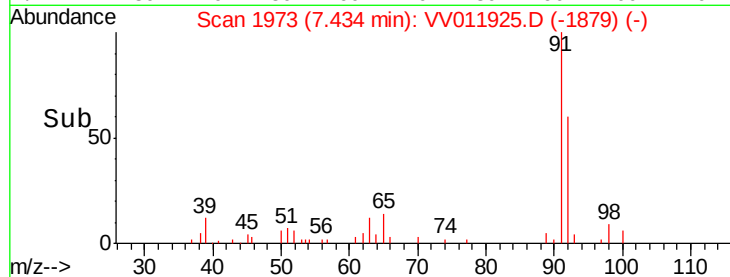
4000

2000

0

7.40 7.45 7.50

Time-->



#48

2-Hexanone

Concen: 1.679 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VV011925.D

Acq: 17 Jul 2019 21:04

Tgt Ion: 43 Resp: 8700

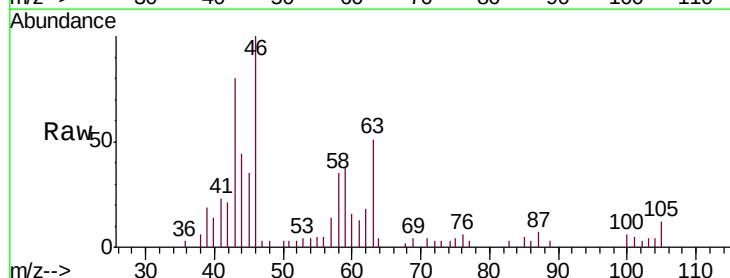
Ion Ratio Lower Upper

43 100

58 37.2 41.1 61.7#

57 16.1 14.3 21.5

100 7.7 8.7 13.1#



Abundance Ion 43.05 (42.75 to 43.75): VV011907.D (-2197) (-)

Ion 58.05 (57.75 to 58.75): VV011907.D (-2197) (-)

Ion 57.20 (56.90 to 57.90): VV011907.D (-2197) (-)

Ion 100.15 (99.85 to 100.85): VV011907.D (-2197) (-)

10000

8000

6000

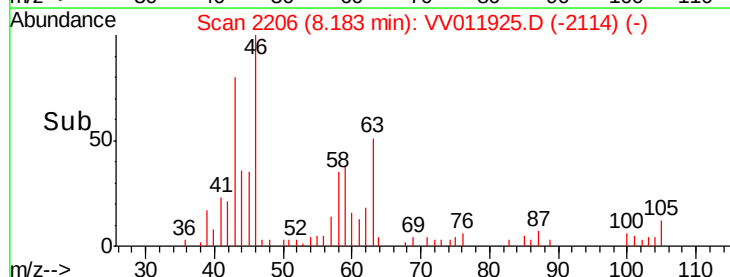
4000

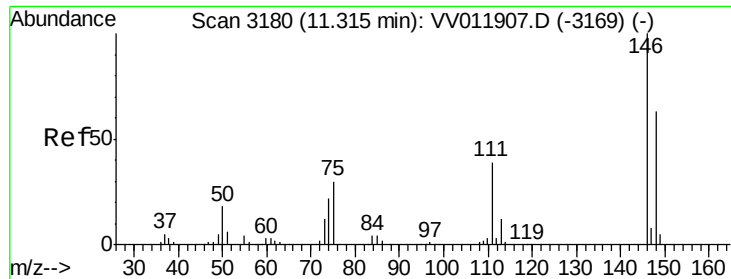
2000

0

8.15 8.20 8.25

Time-->

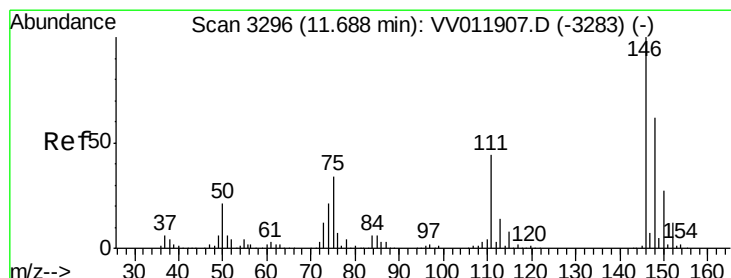
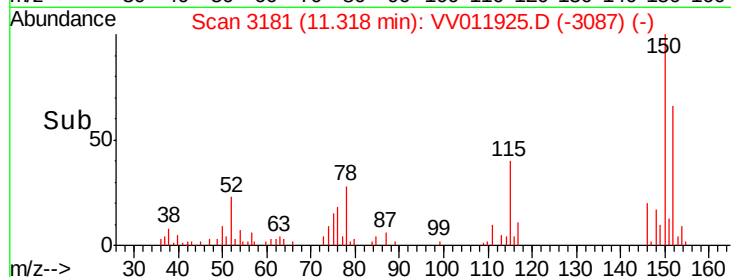
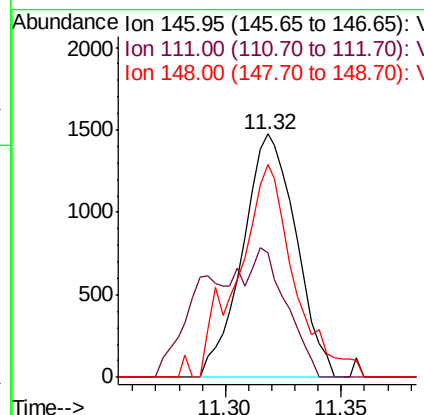
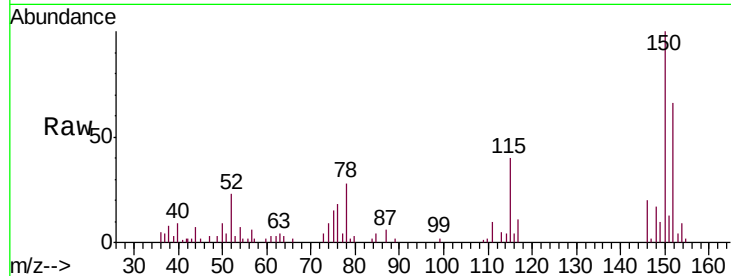




#63
 1,4-Dichlorobenzene
 Concen: 0.102 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV011925.D
 Acq: 17 Jul 2019 21:04

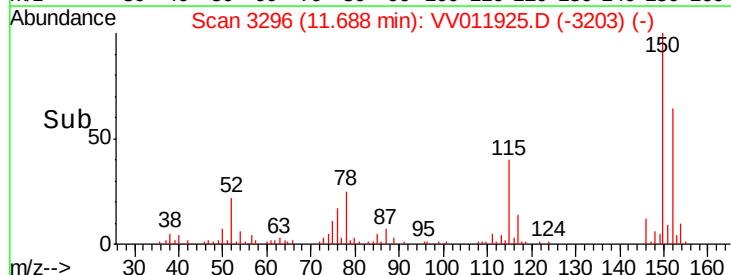
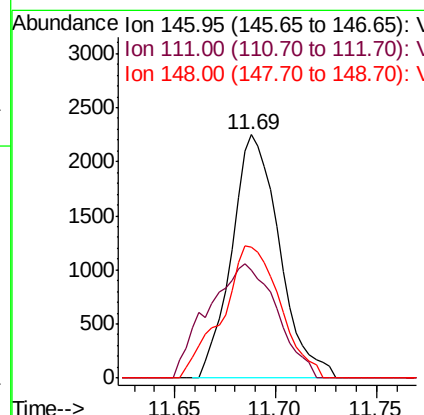
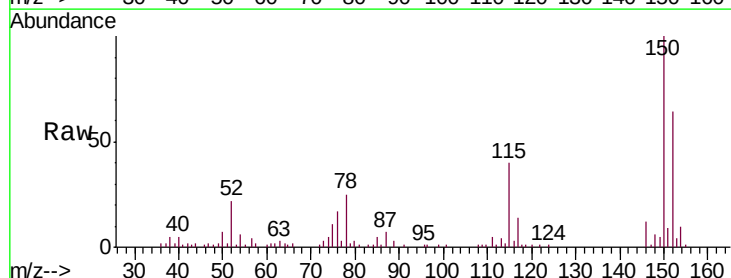
Instrument :
 MSVOA_V
 ClientSampleId :
 A52R0

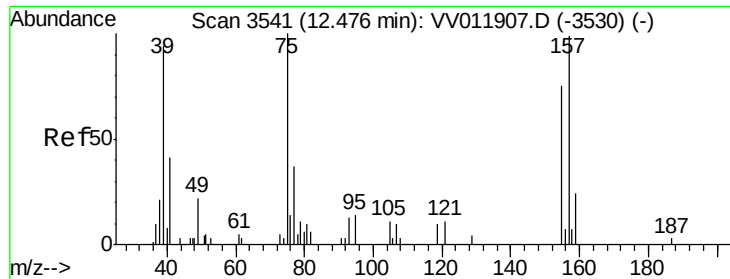
Tgt Ion:146 Resp: 2357
 Ion Ratio Lower Upper
 146 100
 111 51.0 28.0 52.0
 148 87.3 44.5 82.7#



#65
 1,2-Dichlorobenzene
 Concen: 0.177 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV011925.D
 Acq: 17 Jul 2019 21:04

Tgt Ion:146 Resp: 3721
 Ion Ratio Lower Upper
 146 100
 111 44.3 34.0 51.0
 148 53.8 51.8 77.6





#66

1,2-Dibromo-3-chloropropane

Concen: 2.435 ug/L

RT: 12.44 min Scan# 3531

Delta R.T. -0.03 min

Lab File: VV011925.D

Acq: 17 Jul 2019 21:04

Instrument :

MSVOA_V

ClientSampleId :

A52R0

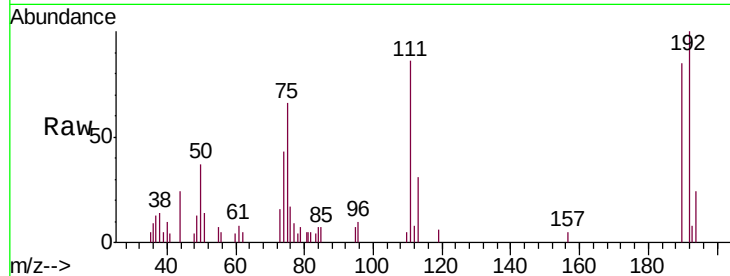
Tgt Ion: 75 Resp: 2912

Ion Ratio Lower Upper

75 100

155 0.0 59.4 89.0#

157 8.2 85.5 128.3#



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

