

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071818\
 Data File : VV006637.D
 Acq On : 18 Jul 2018 19:26
 Operator : SY/MD
 Sample : J3983-03
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005

Quant Time: Jul 19 02:40:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 19 02:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	248096	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	227028	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	102062	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	100375	4.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.20%
7) Chloroethane-d5	1.58	69	75281	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.00%
11) 1,1-Dichloroethene-d2	2.13	63	134056	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	3.95	46	189961	57.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.38%
24) Chloroform-d	4.41	84	169866	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	5.09	65	83396	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
32) Benzene-d6	5.10	84	358317	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	6.12	67	113211	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.20%
41) Toluene-d8	7.36	98	308973	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
43) trans-1,3-Dichloropropene-	7.67	79	32158	3.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.80%
46) 2-Hexanone-d5	8.14	63	188230	41.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.92%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	82584	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	114791	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

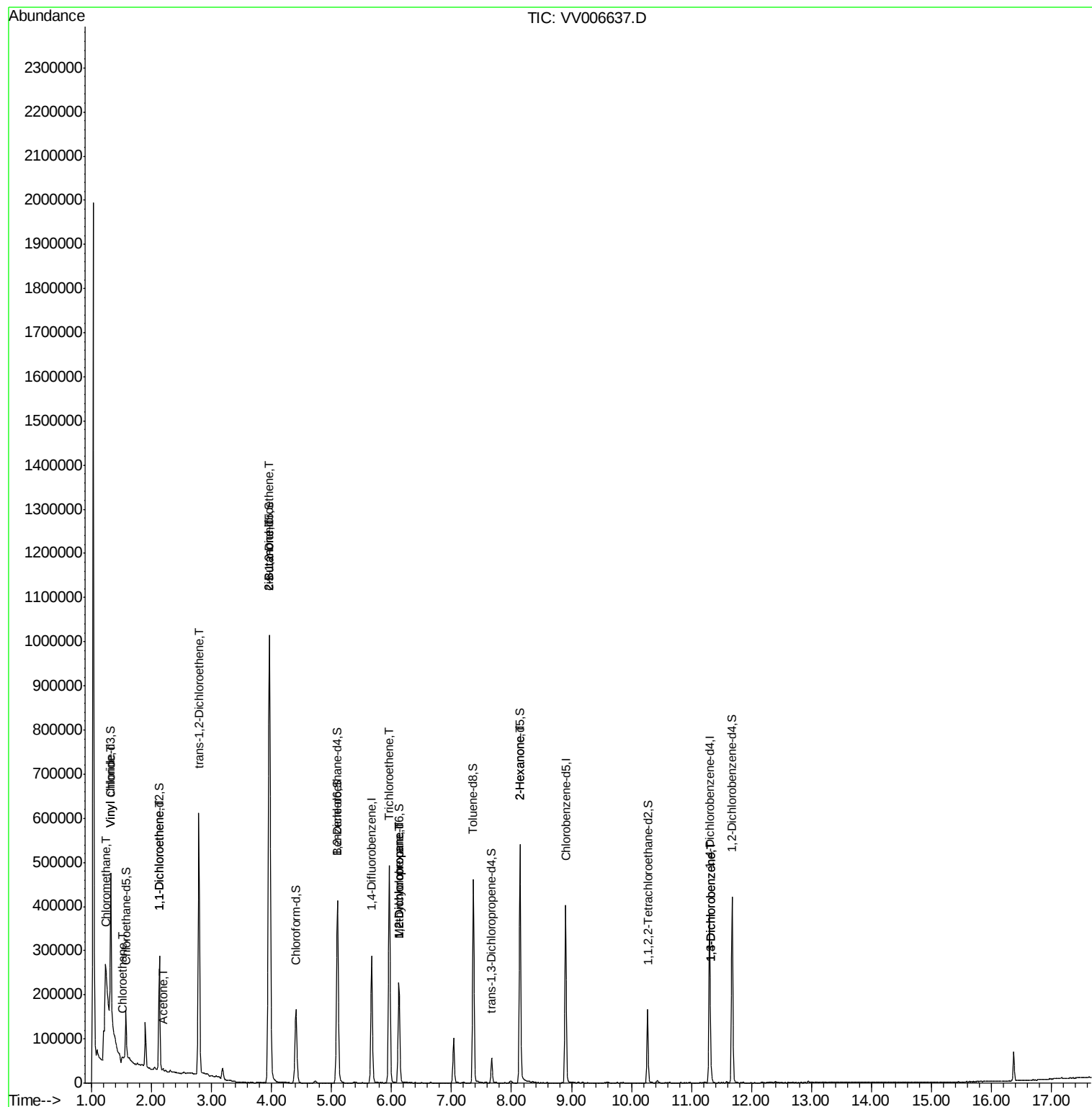
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.25	50	9452	0.338	ug/L #	63
5) Vinyl chloride	1.32	62	160481	5.383	ug/L #	25
8) Chloroethane	1.52	64	13547	0.809	ug/L #	50
12) 1,1-Dichloroethene	2.14	96	4684	0.236	ug/L #	1
13) Acetone	2.19	43	2958	0.892	ug/L	92
18) trans-1,2-Dichloroethene	2.79	96	220253	10.083	ug/L	99
21) 2-Butanone	3.97	43	2956	0.509	ug/L #	1
22) cis-1,2-Dichloroethene	3.97	96	516270	22.528	ug/L	100
34) Trichloroethene	5.96	95	170817	8.110	ug/L	99
35) Methylcyclohexane	6.12	83	26629	0.800	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	11392	0.526	ug/L #	86
48) 2-Hexanone	8.14	43	21565	2.423	ug/L #	66
62) 1,3-Dichlorobenzene	11.32	146	12027	0.307	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	12027	0.301	ug/L	95

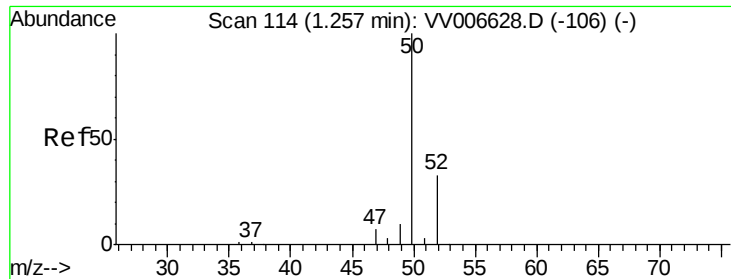
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.338 ug/L

RT: 1.25 min Scan# 113

Delta R.T. -0.00 min

Lab File: VV006637.D

Acq: 18 Jul 2018 19:26

Instrument :

MSVOA_V

ClientSampleId :

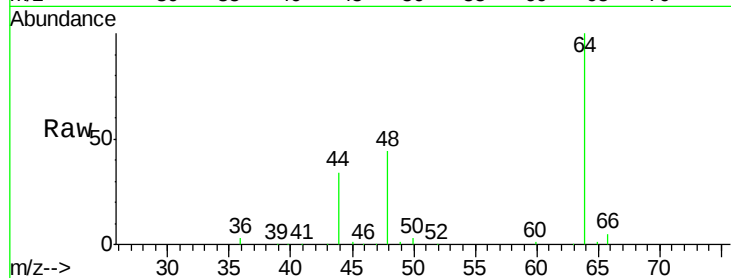
VSTD005

Tgt Ion: 50 Resp: 9452

Ion Ratio Lower Upper

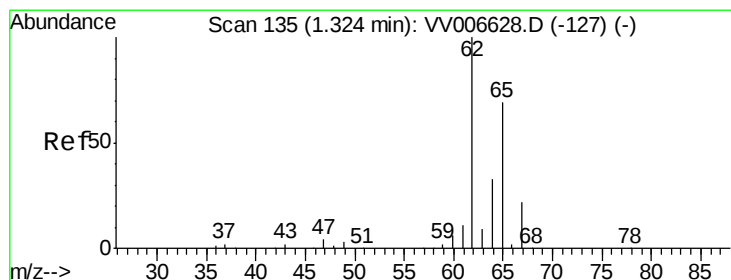
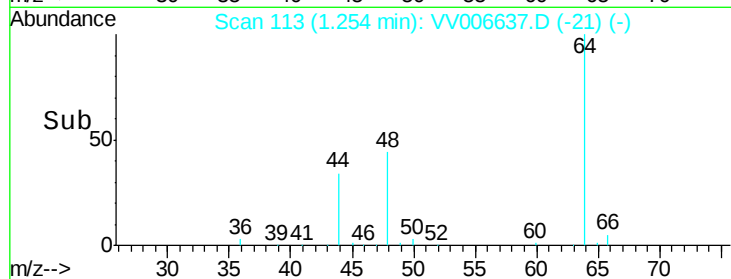
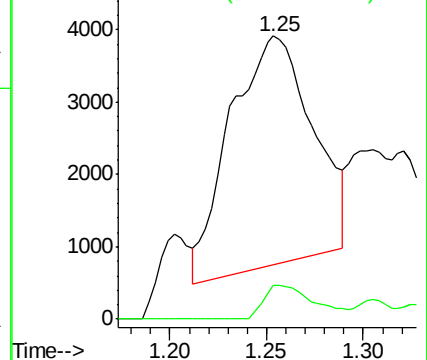
50 100

52 11.9 22.6 42.0#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#5

Vinyl chloride

Concen: 5.383 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006637.D

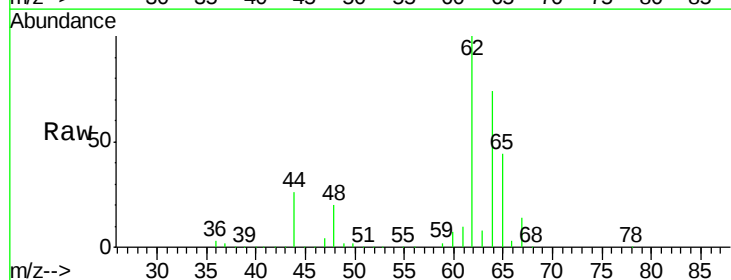
Acq: 18 Jul 2018 19:26

Tgt Ion: 62 Resp: 160481

Ion Ratio Lower Upper

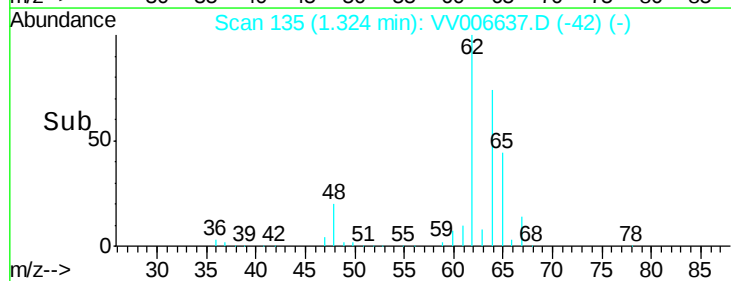
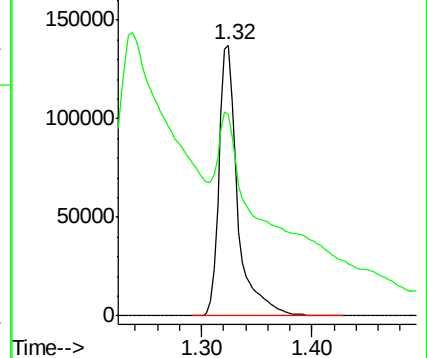
62 100

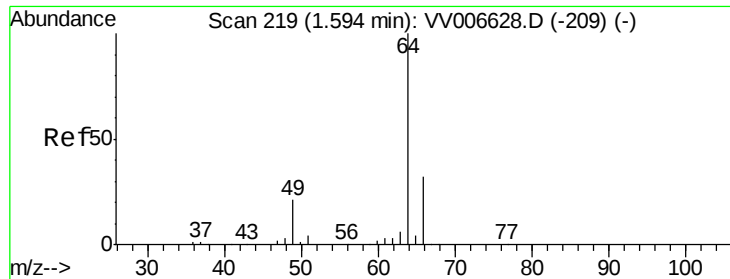
64 74.2 22.6 42.0#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

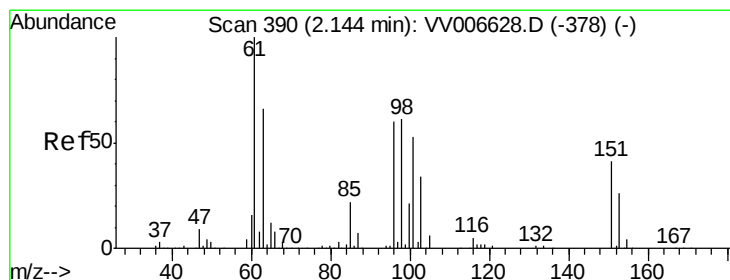
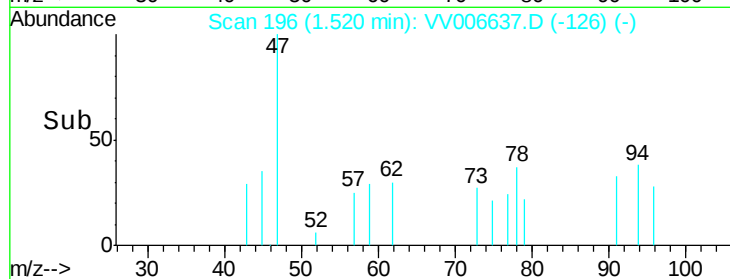
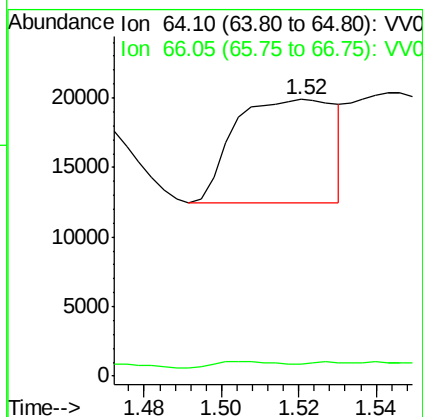
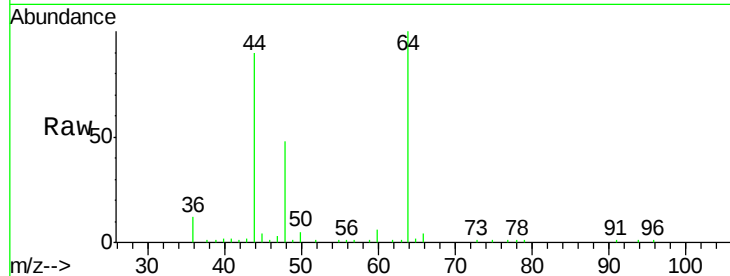




#8
Chloroethane
Concen: 0.809 ug/L
RT: 1.52 min Scan# 196
Delta R.T. -0.07 min
Lab File: VV006637.D
Acq: 18 Jul 2018 19:26

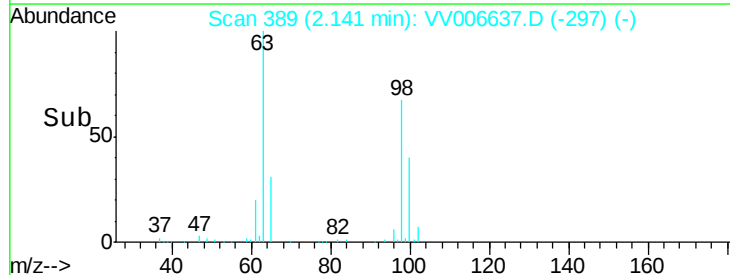
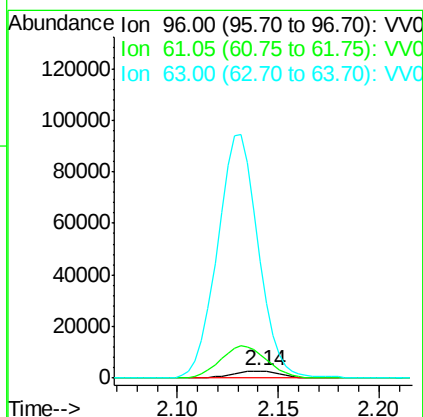
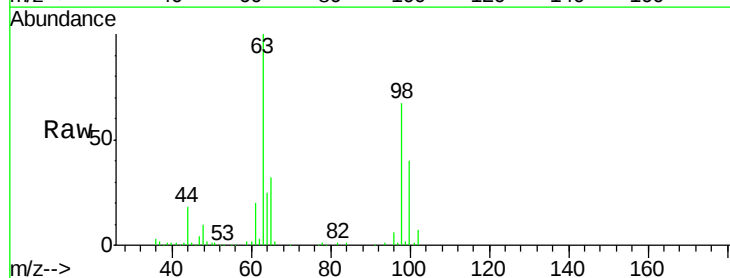
Instrument :
MSVOA_V
ClientSampleId :
VSTD005

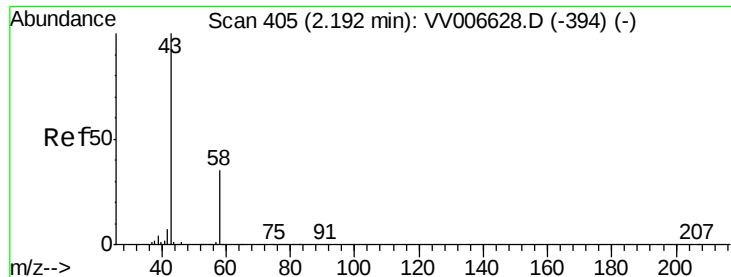
Tgt Ion: 64 Resp: 13547
Ion Ratio Lower Upper
64 100
66 4.4 22.5 41.9#



#12
1,1-Dichloroethene
Concen: 0.236 ug/L
RT: 2.14 min Scan# 389
Delta R.T. -0.00 min
Lab File: VV006637.D
Acq: 18 Jul 2018 19:26

Tgt Ion: 96 Resp: 4684
Ion Ratio Lower Upper
96 100
61 316.4 114.9 213.5#
63 1604.8 81.9 152.1#





#13

Acetone

Concen: 0.892 ug/L

RT: 2.19 min Scan# 405

Delta R.T. 0.00 min

Lab File: VV006637.D

Acq: 18 Jul 2018 19:26

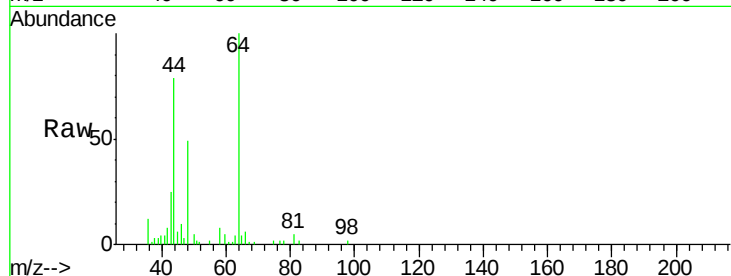
Instrument :
MSVOA_V
ClientSampled :
VSTD005

Tgt Ion: 43 Resp: 2958

Ion Ratio Lower Upper

43 100

58 39.8 0.0 70.8



Abundance Ion 43.05 (42.75 to 43.75): VV006628.D (-394) (-)

Ion 58.05 (57.75 to 58.75): VV006628.D (-394) (-)

2500

2000

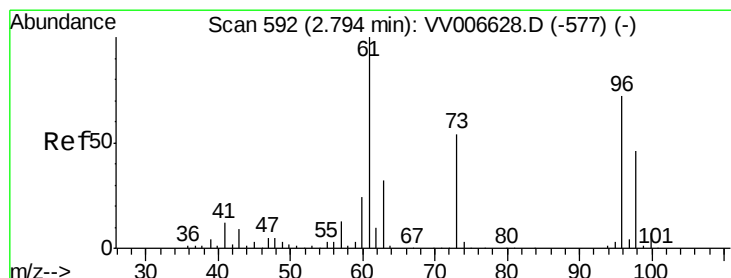
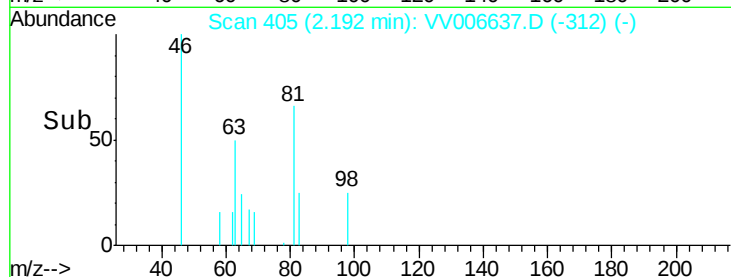
1500

1000

500

0

Time--> 2.15 2.20



#18

trans-1,2-Dichloroethene

Concen: 10.083 ug/L

RT: 2.79 min Scan# 591

Delta R.T. -0.00 min

Lab File: VV006637.D

Acq: 18 Jul 2018 19:26

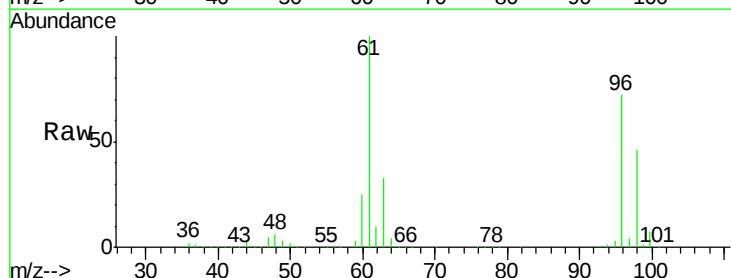
Tgt Ion: 96 Resp: 220253

Ion Ratio Lower Upper

96 100

61 138.8 98.1 182.1

98 64.0 44.4 82.4



Abundance Ion 96.00 (95.70 to 96.70): VV006628.D (-577) (-)

Ion 61.05 (60.75 to 61.75): VV006628.D (-577) (-)

Ion 97.95 (97.65 to 98.65): VV006628.D (-577) (-)

250000

200000

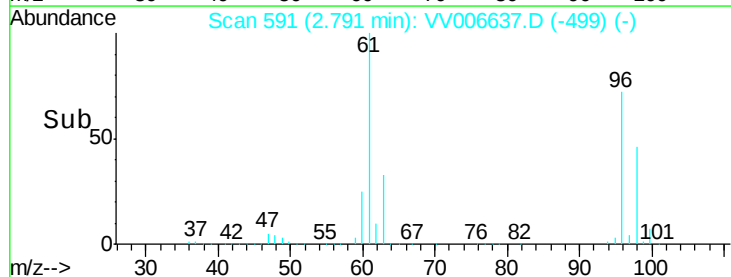
150000

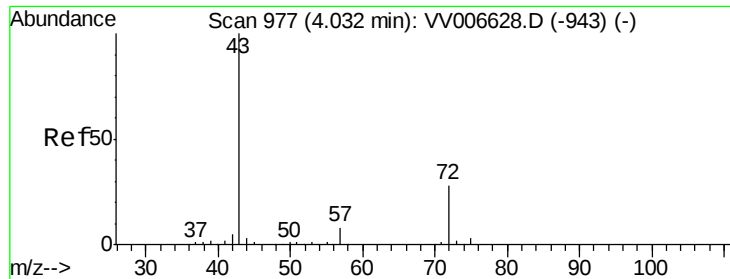
100000

50000

0

Time--> 2.70 2.75 2.80 2.85





#21

2-Butanone

Concen: 0.509 ug/L

RT: 3.97 min Scan# 958

Delta R.T. -0.06 min

Lab File: VV006637.D

Acq: 18 Jul 2018 19:26

Instrument :

MSVOA_V

ClientSampleId :

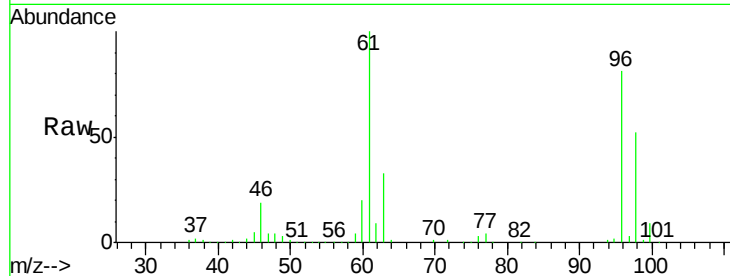
VSTD005

Tgt Ion: 43 Resp: 2956

Ion Ratio Lower Upper

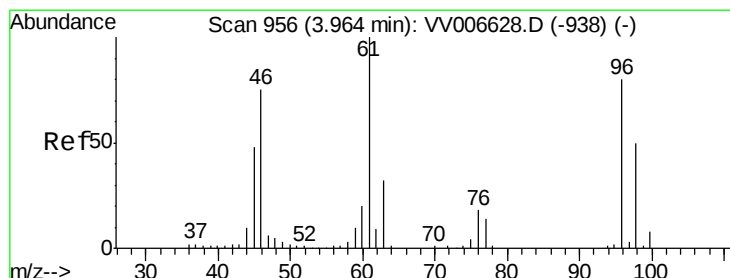
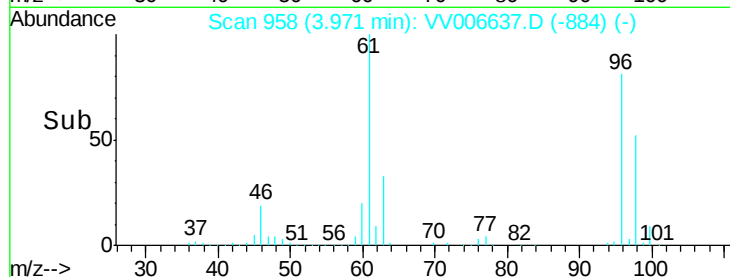
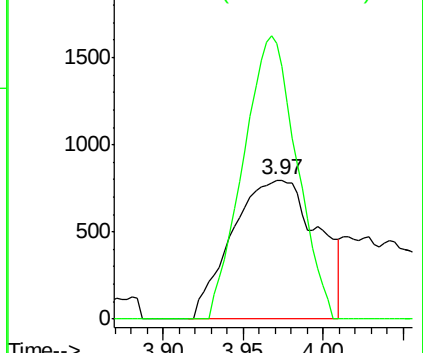
43 100

72 126.2 13.4 40.1#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



#22

cis-1,2-Dichloroethene

Concen: 22.528 ug/L

RT: 3.97 min Scan# 957

Delta R.T. 0.00 min

Lab File: VV006637.D

Acq: 18 Jul 2018 19:26

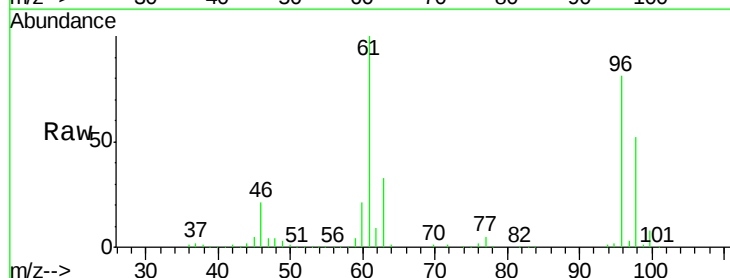
Tgt Ion: 96 Resp: 516270

Ion Ratio Lower Upper

96 100

61 123.5 86.2 160.2

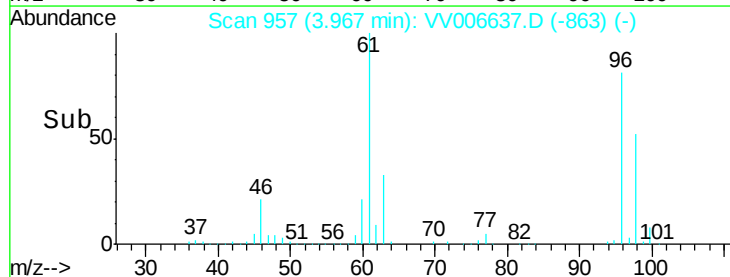
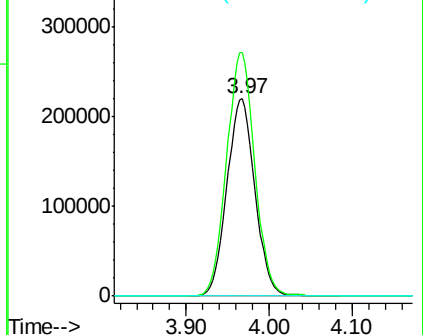
68 0.0 0.0 0.0

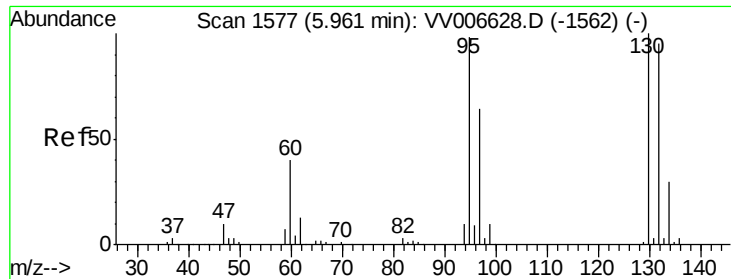


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#34

Trichloroethene

Concen: 8.110 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006637.D

Acq: 18 Jul 2018 19:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD005

Tgt Ion: 95 Resp: 170817

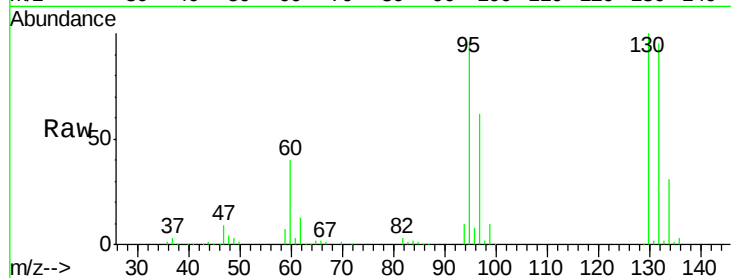
Ion Ratio Lower Upper

95 100

97 64.2 45.1 83.7

132 98.8 69.0 128.2

130 103.8 71.7 133.1

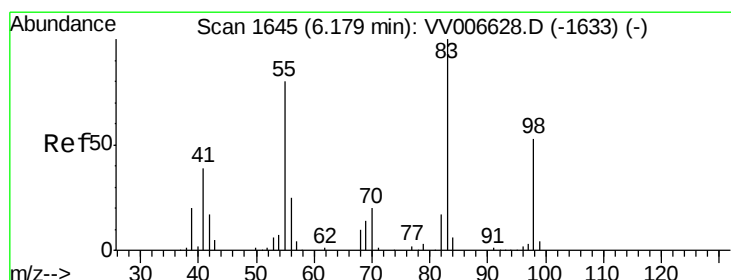
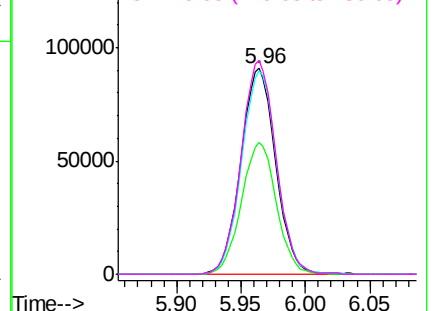
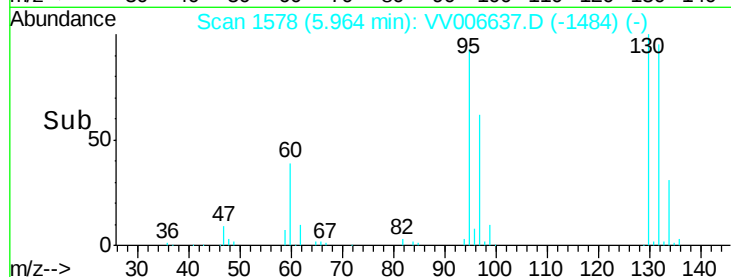


Abundance Ion 95.00 (94.70 to 95.70): VV006637.D (-1484) (-)

Ion 96.95 (96.65 to 97.65): VV006637.D (-1484) (-)

Ion 131.95 (131.65 to 132.65): VV006637.D (-1484) (-)

Ion 129.95 (129.65 to 130.65): VV006637.D (-1484) (-)



#35

Methylcyclohexane

Concen: 0.800 ug/L

RT: 6.12 min Scan# 1628

Delta R.T. -0.05 min

Lab File: VV006637.D

Acq: 18 Jul 2018 19:26

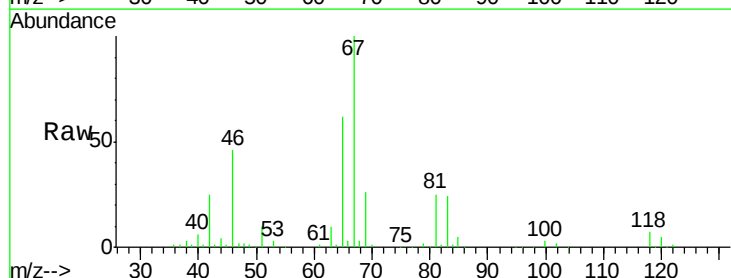
Tgt Ion: 83 Resp: 26629

Ion Ratio Lower Upper

83 100

55 0.4 60.7 91.1#

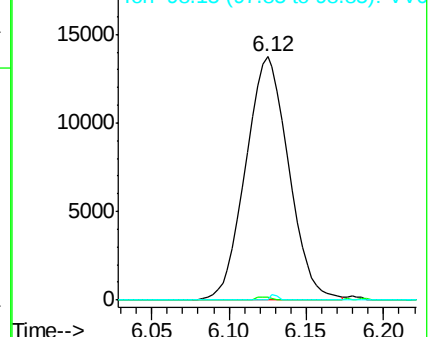
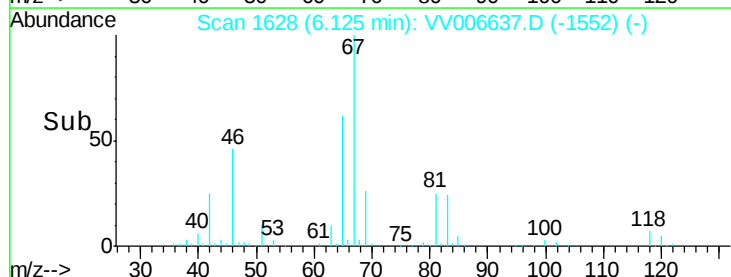
98 0.0 39.1 58.7#

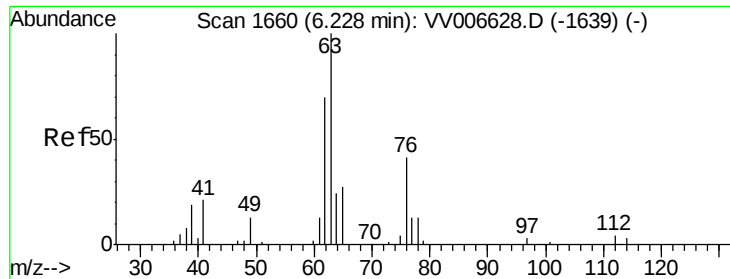


Abundance Ion 83.15 (82.85 to 83.85): VV006637.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV006637.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV006637.D (-1552) (-)

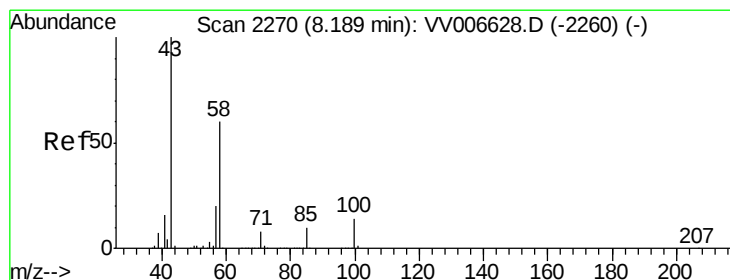
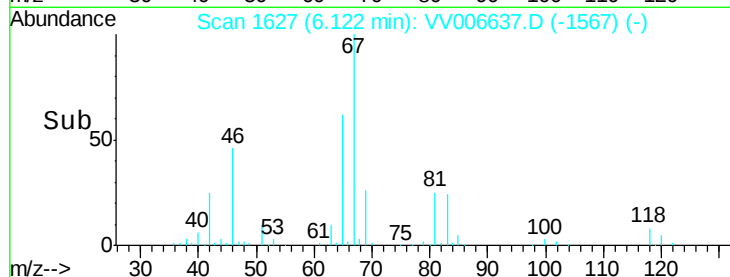
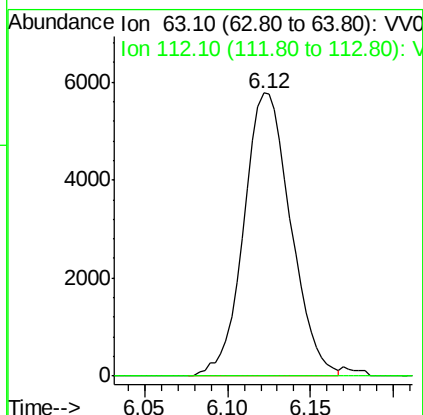
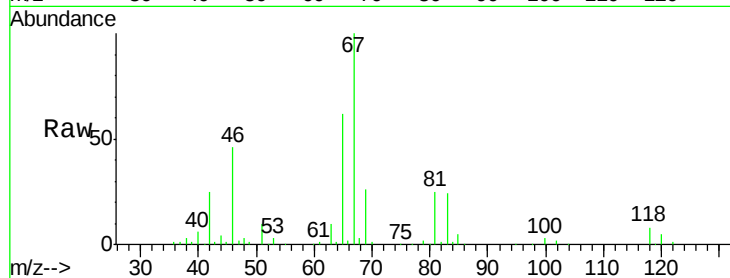




#37
 1,2-Dichloropropane
 Concen: 0.526 ug/L
 RT: 6.12 min Scan# 1627
 Delta R.T. -0.11 min
 Lab File: VV006637.D
 Acq: 18 Jul 2018 19:26

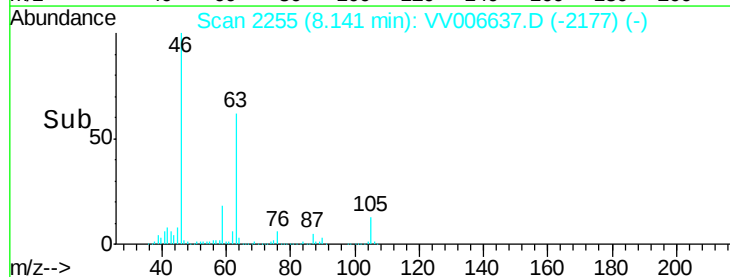
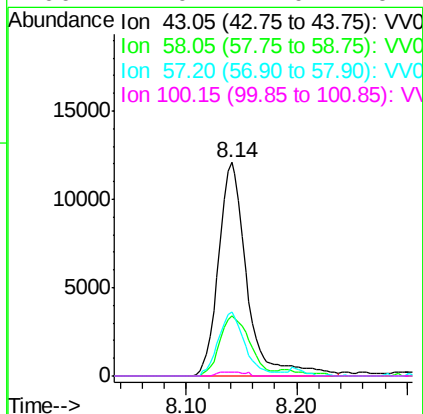
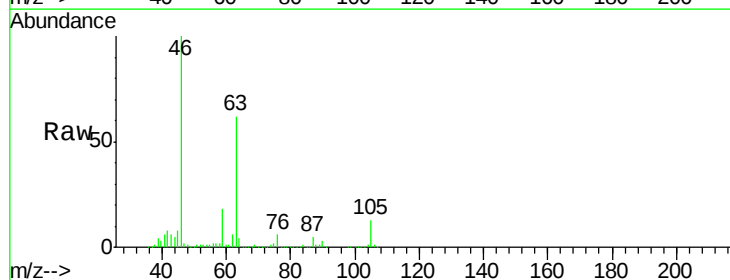
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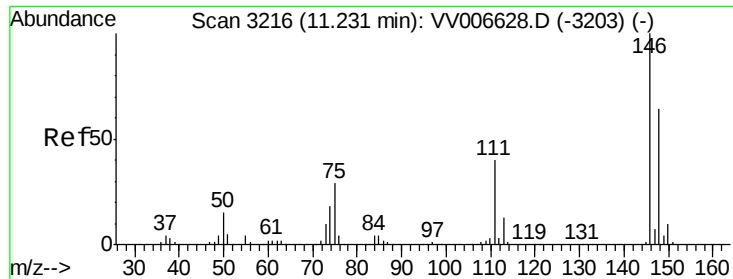
Tgt Ion: 63 Resp: 11392
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#48
 2-Hexanone
 Concen: 2.423 ug/L
 RT: 8.14 min Scan# 2255
 Delta R.T. -0.05 min
 Lab File: VV006637.D
 Acq: 18 Jul 2018 19:26

Tgt Ion: 43 Resp: 21565
 Ion Ratio Lower Upper
 43 100
 58 29.6 48.2 72.4#
 57 28.1 16.2 24.4#
 100 2.0 11.0 16.4#





#62

1,3-Dichlorobenzene

Concen: 0.307 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.09 min

Lab File: VV006637.D

Acq: 18 Jul 2018 19:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD005

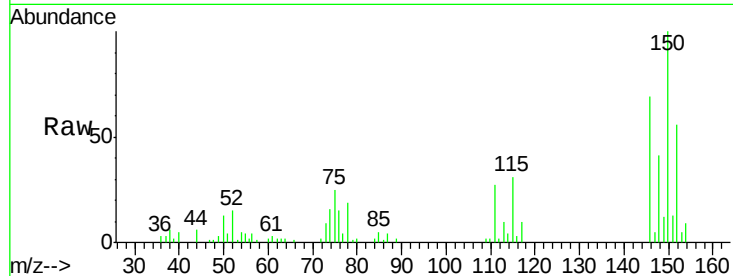
Tgt Ion:146 Resp: 12027

Ion Ratio Lower Upper

146 100

111 39.6 27.4 51.0

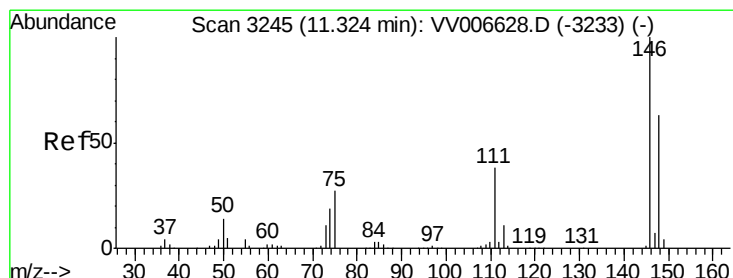
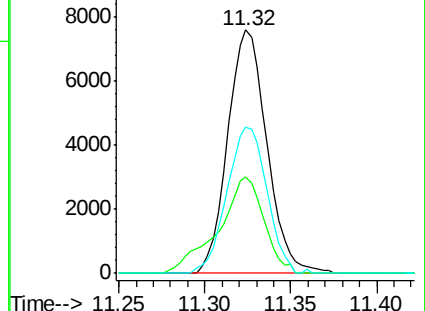
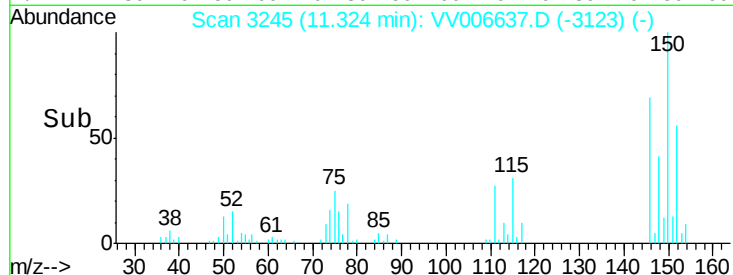
148 59.9 45.2 84.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.301 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006637.D

Acq: 18 Jul 2018 19:26

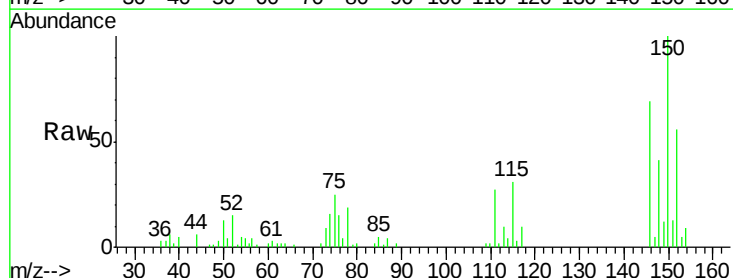
Tgt Ion:146 Resp: 12027

Ion Ratio Lower Upper

146 100

111 39.6 27.1 50.3

148 59.9 45.7 84.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

