

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080620\
 Data File : VV017815.D
 Acq On : 06 Aug 2020 15:37
 Operator : SY/MD
 Sample : L3590-09
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L54

Quant Time: Aug 07 05:31:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM073020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 07 05:27:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	205247	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	204186	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	113493	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	37158	37.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.26%
7) Chloroethane-d5	1.58	69	37734	44.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.32%
11) 1,1-Dichloroethene-d2	2.12	63	77435	32.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.38%
21) 2-Butanone-d5	3.91	46	69284	92.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.06%
24) Chloroform-d	4.37	84	126971	46.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.84%
26) 1,2-Dichloroethane-d4	5.06	65	95870	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.96%
32) Benzene-d6	5.07	84	205390	42.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.04%
36) 1,2-Dichloropropane-d6	6.09	67	54272	40.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.36%
41) Toluene-d8	7.34	98	206723	43.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.28%
43) trans-1,3-Dichloropropene-	7.64	79	18997	21.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	43.10%#
47) 2-Hexanone-d5	8.11	63	48475	84.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.53%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	84204	41.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	105990	47.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.16%

Target Compounds

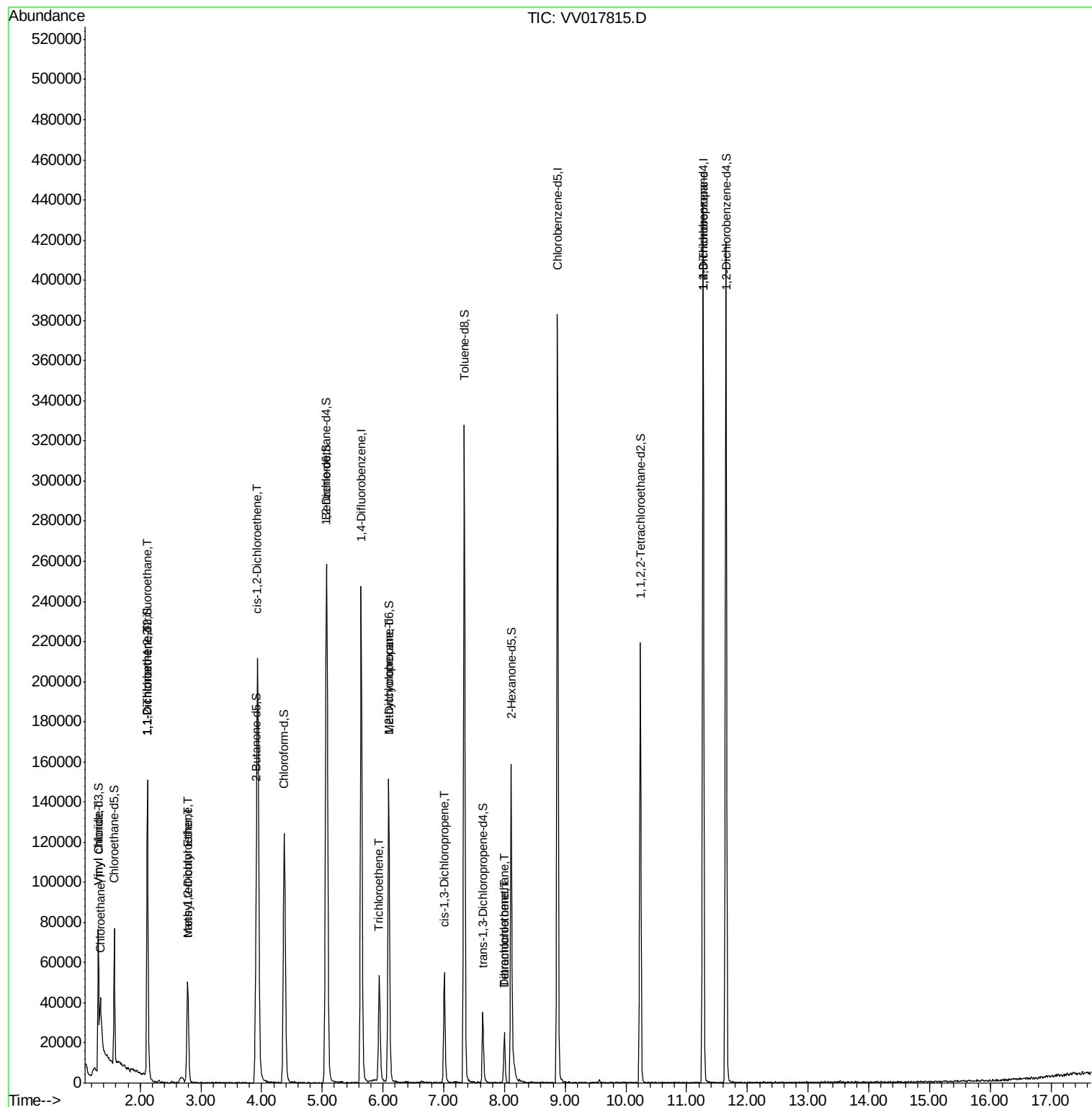
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	4744	3.258	ug/L #	1
8) Chloroethane	1.34	64	71316	80.912	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	920	0.695	ug/L #	15
12) 1,1-Dichloroethene	2.12	96	1148	0.929	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	1453	1.043	ug/L	93
18) Methyl tert-butyl Ether	2.78	73	46716	10.204	ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	111435	74.900	ug/L	96
34) Trichloroethene	5.94	95	16352	10.389	ug/L	98
35) Methylcyclohexane	6.09	83	17417	7.543	ug/L #	20
39) cis-1,3-Dichloropropene	7.01	75	1950	0.837	ug/L	90
46) Tetrachloroethene	8.00	164	5011	3.593	ug/L	88
49) Dibromochloromethane	8.00	129	5464	2.890	ug/L #	12
59) 1,2,3-Trichloropropane	11.27	75	9433	5.107	ug/L #	71

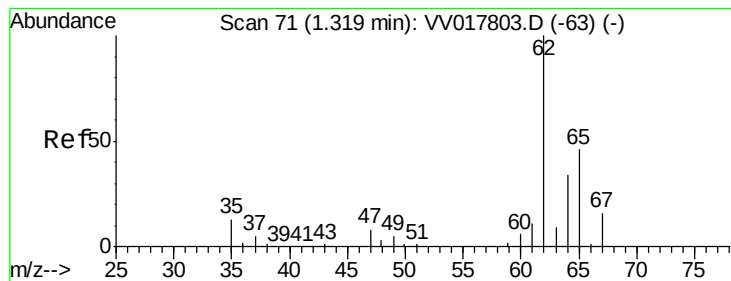
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Aug 07 05:27:52 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.258 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017815.D

Acq: 06 Aug 2020 15:37

Instrument :

MSVOA_V

ClientSampled :

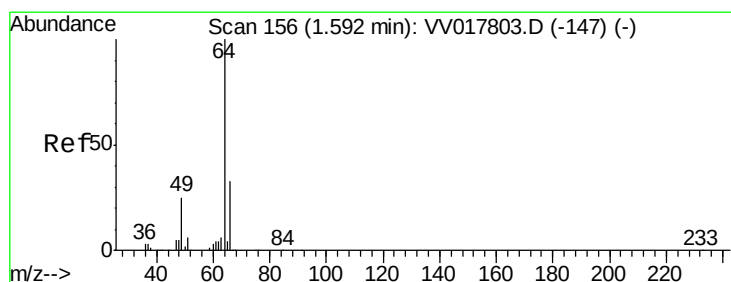
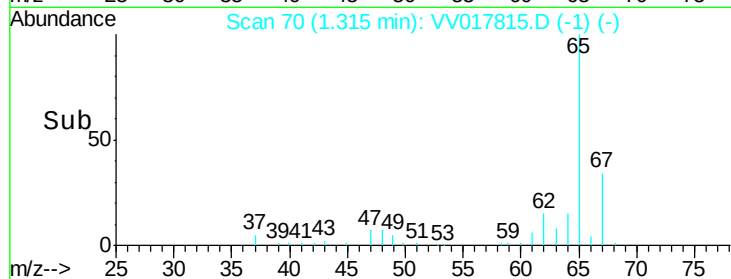
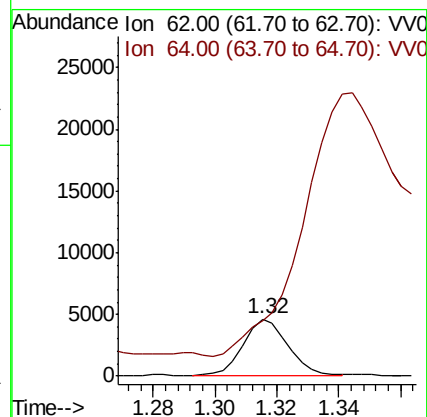
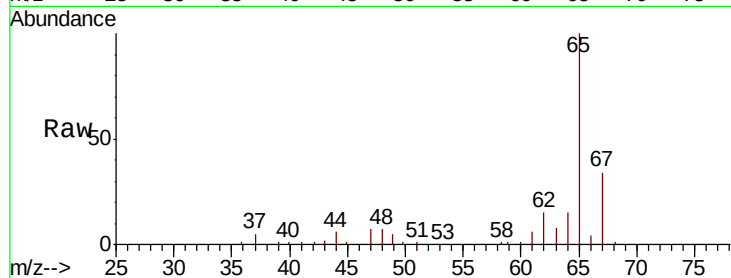
F2L54

Tot Ion: 62 Resp: 4744

Ion Ratio Lower Upper

62 100

64 97.8 22.9 42.5#



#8

Chloroethane

Concen: 80.912 ug/L

RT: 1.34 min Scan# 79

Delta R.T. -0.25 min

Lab File: VV017815.D

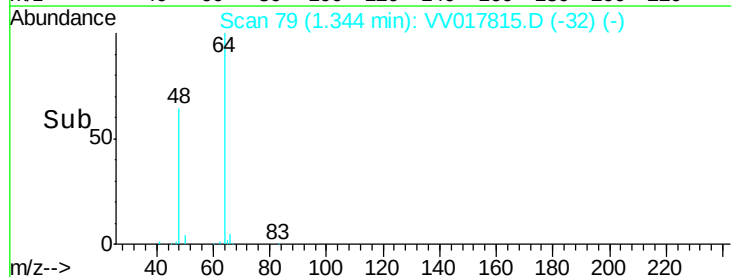
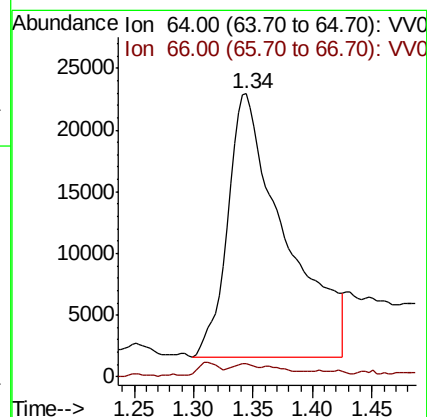
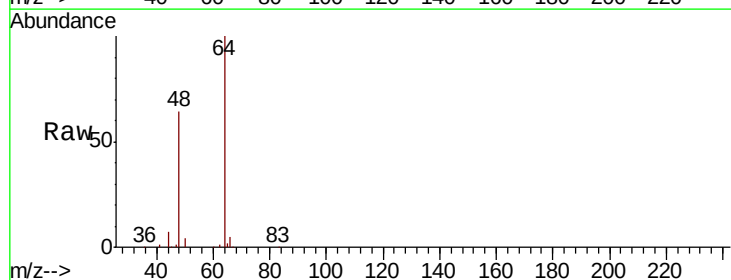
Acq: 06 Aug 2020 15:37

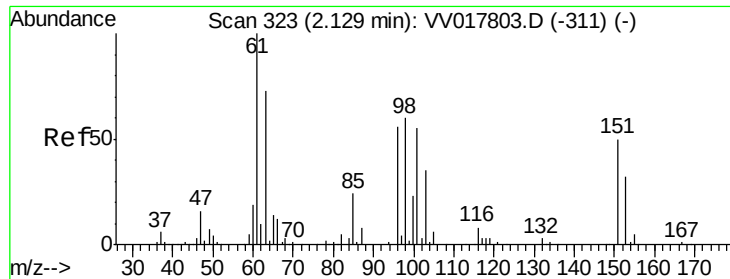
Tgt Ion: 64 Resp: 71316

Ion Ratio Lower Upper

64 100

66 4.7 22.3 41.3#





#10

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

Concen: 0.695 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV017815.D

Acq: 06 Aug 2020 15:37

Instrument :

MSVOA_V

ClientSampled :

F2L54

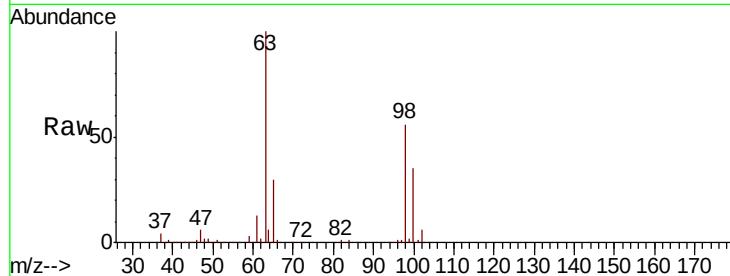
Tot Ion:101 Resp: 920

Ion Ratio Lower Upper

101 100

85 0.0 37.2 55.8#

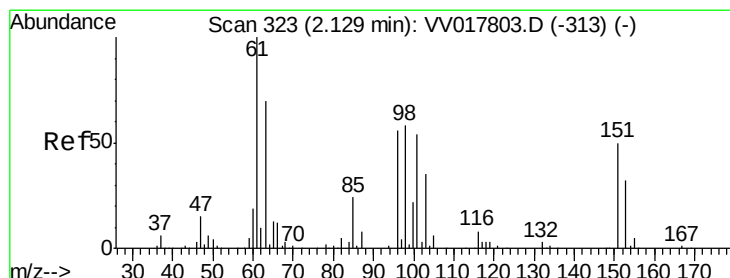
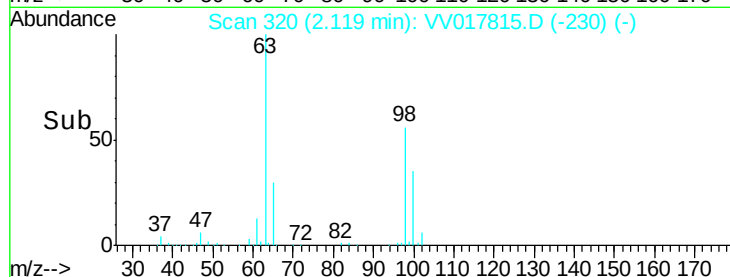
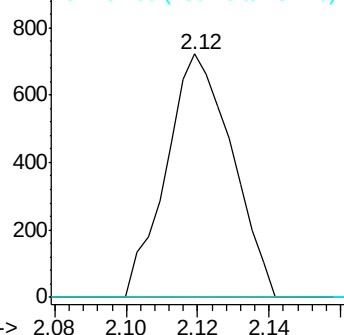
151 0.0 68.2 102.2#



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: 0.929 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV017815.D

Acq: 06 Aug 2020 15:37

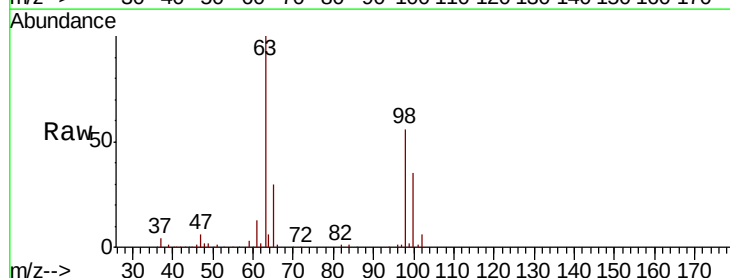
Tgt Ion: 96 Resp: 1148

Ion Ratio Lower Upper

96 100

61 1000.4 131.0 243.2#

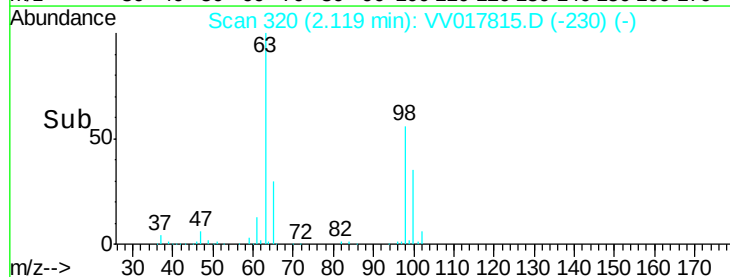
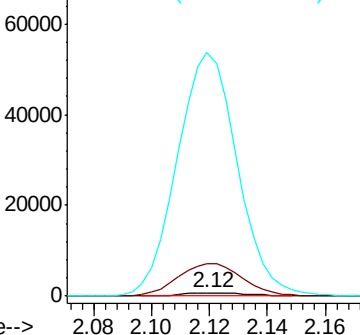
63 7433.8 88.5 164.3#

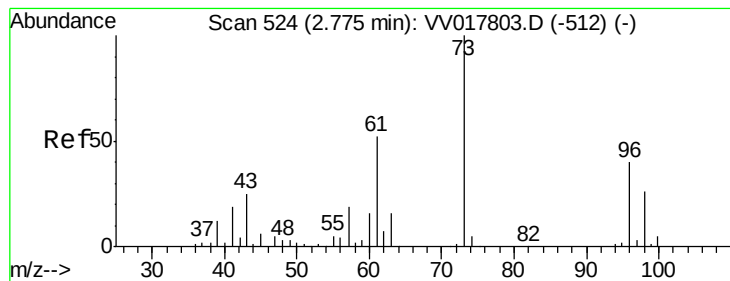


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 1.043 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017815.D

Acq: 06 Aug 2020 15:37

Instrument :

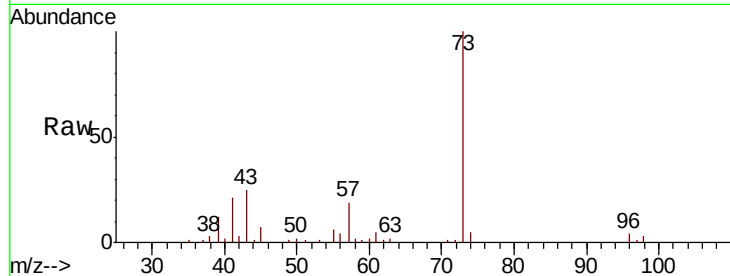
MSVOA_V

ClientSampled :

F2L54

Tot Ion: 96 Resp: 1453

Ion	Ratio	Lower	Upper
96	100		
61	128.8	96.2	178.8
98	66.0	43.2	80.2

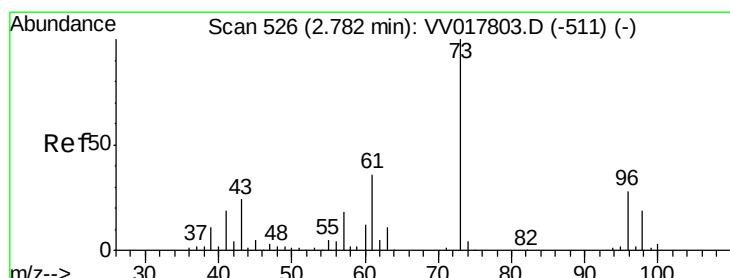
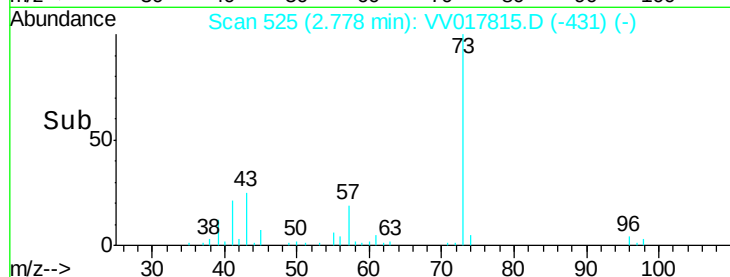
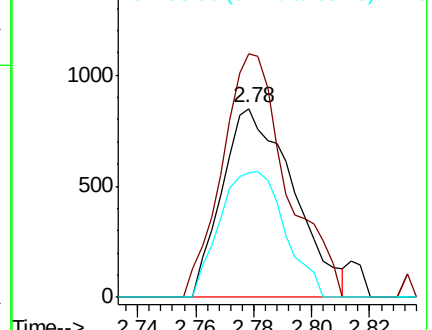


Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 10.204 ug/L

RT: 2.78 min Scan# 527

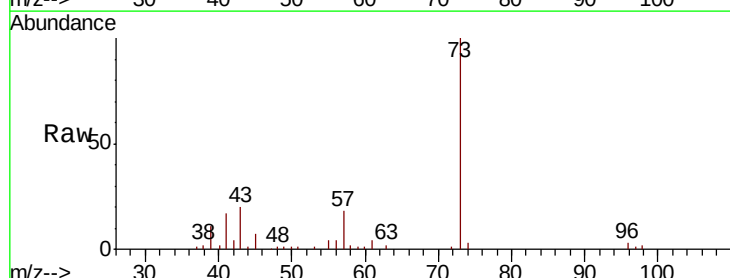
Delta R.T. 0.00 min

Lab File: VV017815.D

Acq: 06 Aug 2020 15:37

Tgt Ion: 73 Resp: 46716

Ion	Ratio	Lower	Upper
73	100		
43	24.1	18.1	27.1
57	18.7	16.0	24.0

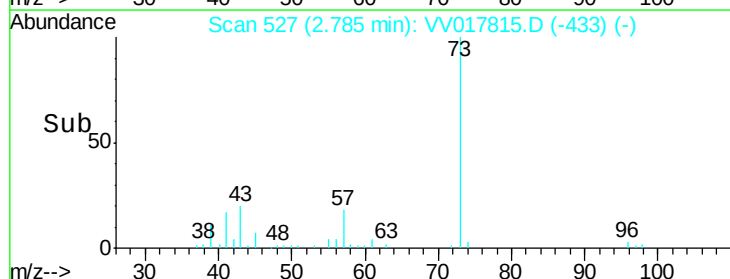
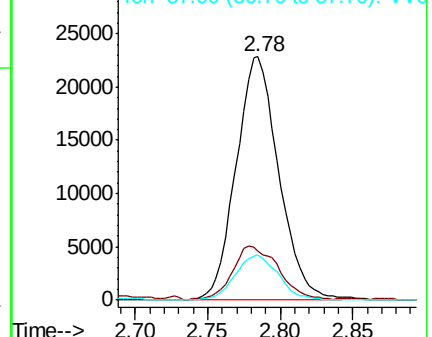


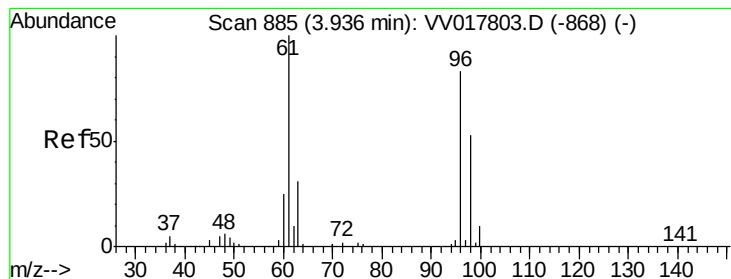
Abundance

Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#20

cis-1,2-Dichloroethene

Concen: 74.900 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV017815.D

Acq: 06 Aug 2020 15:37

Instrument :

MSVOA_V

ClientSampleId :

F2L54

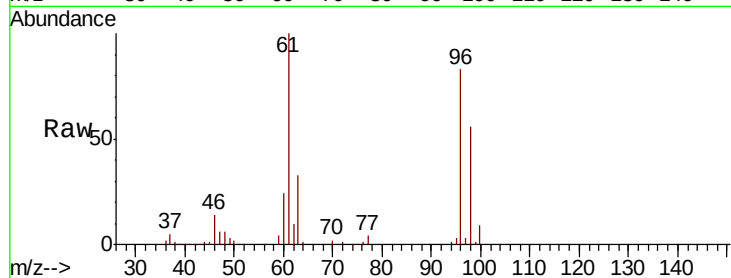
Tot Ion: 96 Resp: 111435

Ion Ratio Lower Upper

96 100

61 119.8 87.3 162.1

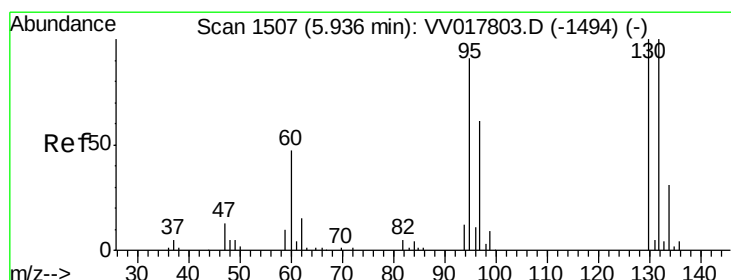
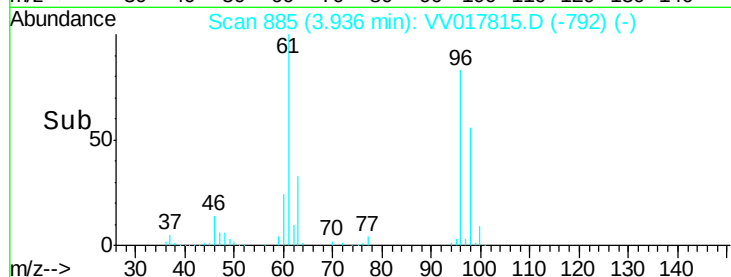
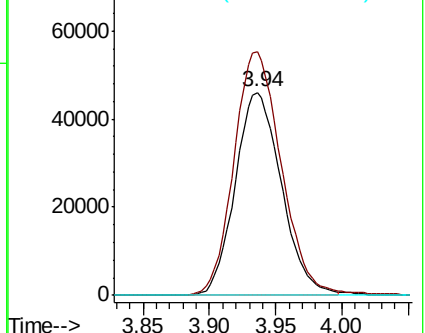
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV017815.D (-1414) (-)

Ion 61.00 (60.70 to 61.70): VV017815.D (-1414) (-)

Ion 68.00 (67.70 to 68.70): VV017815.D (-1414) (-)



#34

Trichloroethene

Concen: 10.389 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017815.D

Acq: 06 Aug 2020 15:37

Tgt Ion: 95 Resp: 16352

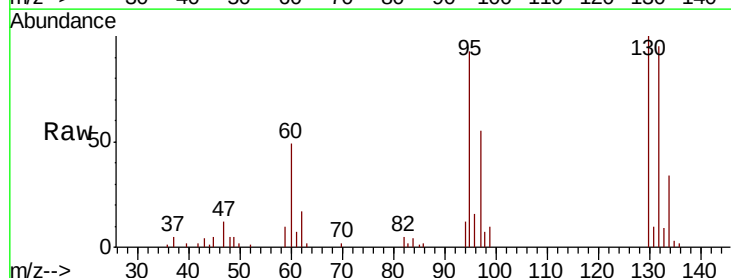
Ion Ratio Lower Upper

95 100

97 59.5 45.3 84.1

132 102.4 71.4 132.6

130 108.0 75.3 139.9

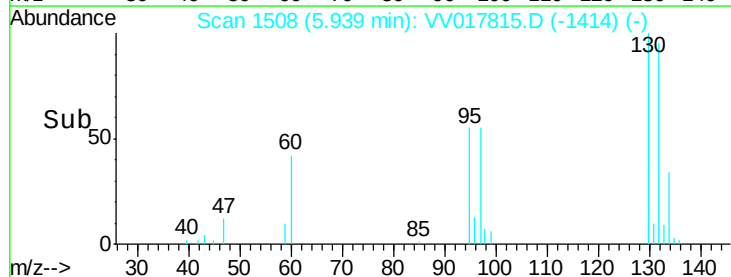
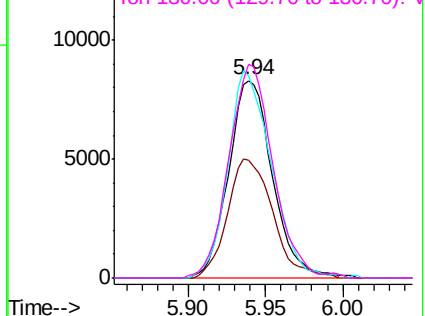


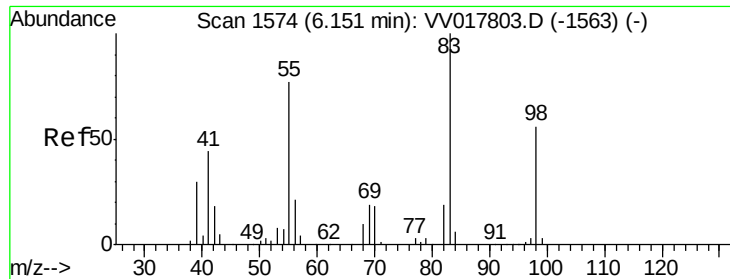
Abundance Ion 95.00 (94.70 to 95.70): VV017815.D (-1414) (-)

Ion 97.00 (96.70 to 97.70): VV017815.D (-1414) (-)

Ion 132.00 (131.70 to 132.70): VV017815.D (-1414) (-)

Ion 130.00 (129.70 to 130.70): VV017815.D (-1414) (-)

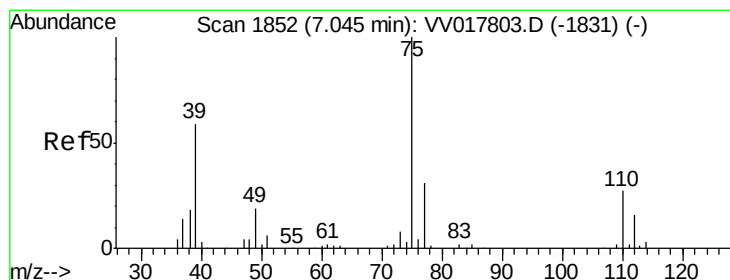
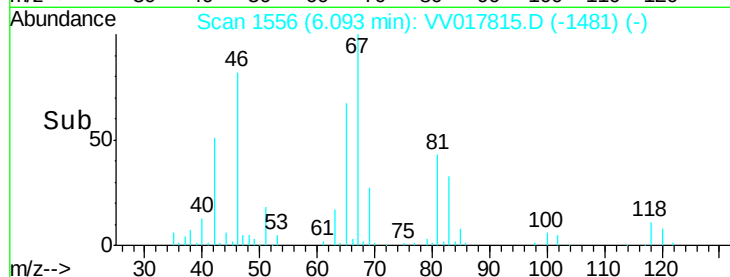
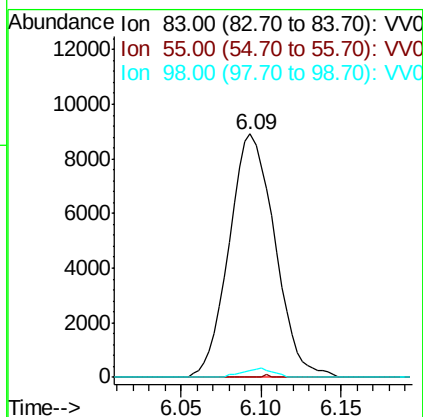
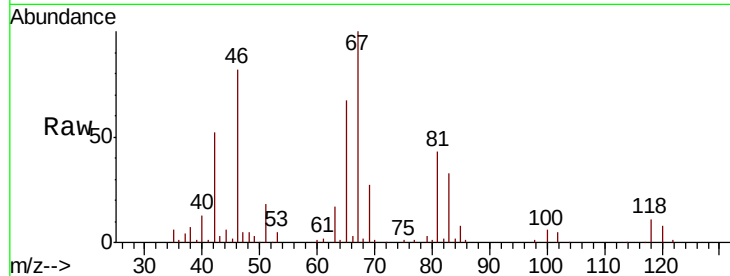




#35
Methylvlcyclohexane
Concen: 7.543 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017815.D
Acq: 06 Aug 2020 15:37

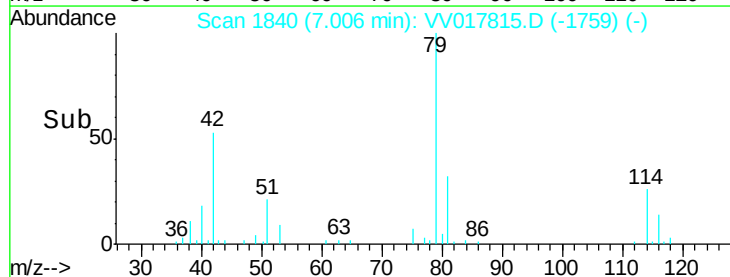
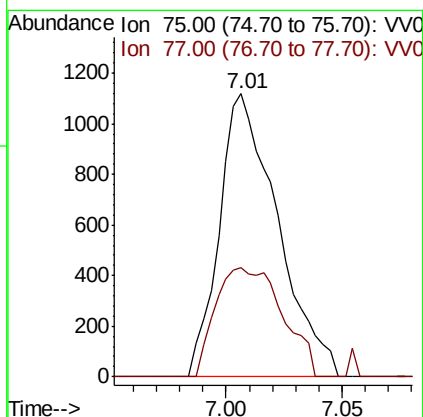
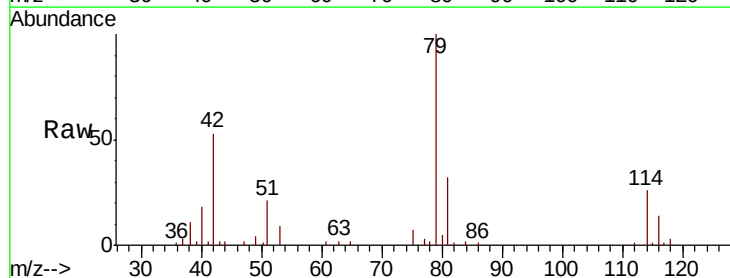
Instrument :
MSVOA_V
ClientSampleId :
F2L54

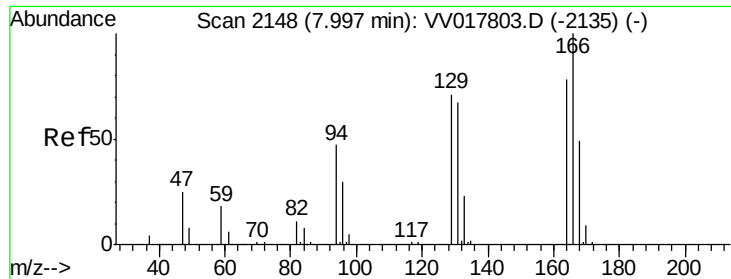
Tot Ion: 83 Resp: 17417
Ion Ratio Lower Upper
83 100
55 0.0 59.4 89.2#
98 2.5 41.2 61.8#



#39
cis-1,3-Dichloropropene
Concen: 0.837 ug/L
RT: 7.01 min Scan# 1840
Delta R.T. -0.04 min
Lab File: VV017815.D
Acq: 06 Aug 2020 15:37

Tgt Ion: 75 Resp: 1950
Ion Ratio Lower Upper
75 100
77 38.6 23.2 43.0





#46

Tetrachloroethene

Concen: 3.593 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV017815.D

Acq: 06 Aug 2020 15:37

Instrument :

MSVOA_V

ClientSampled :

F2L54

Tot Ion:164 Resp: 5011

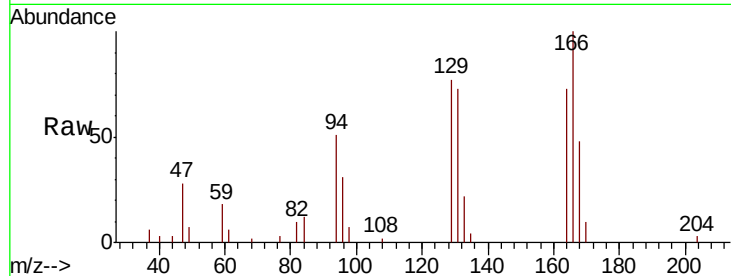
Ion Ratio Lower Upper

164 100

129 106.1 63.9 118.7

131 101.2 62.6 116.3

166 137.8 88.3 164.1

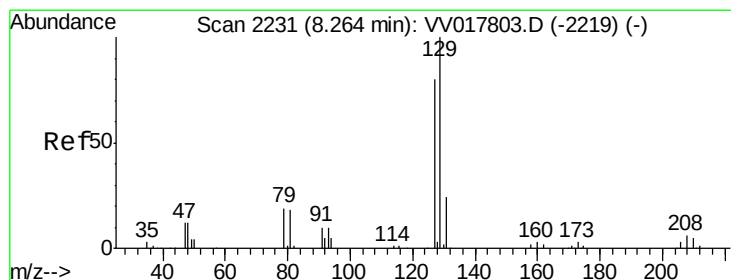
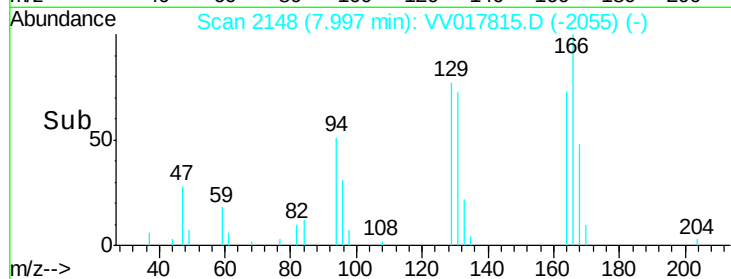
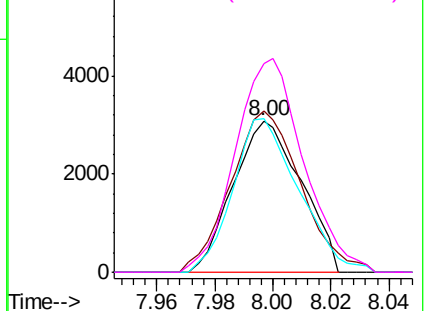


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

Dibromochloromethane

Concen: 2.890 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV017815.D

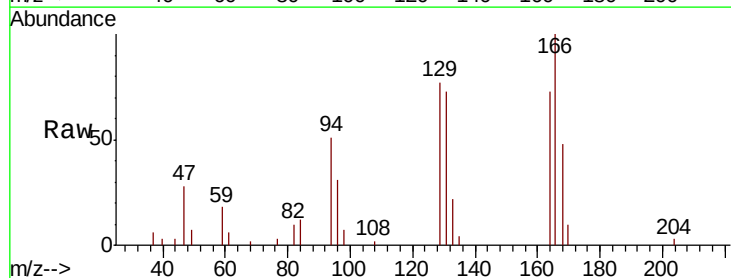
Acq: 06 Aug 2020 15:37

Tgt Ion:129 Resp: 5464

Ion Ratio Lower Upper

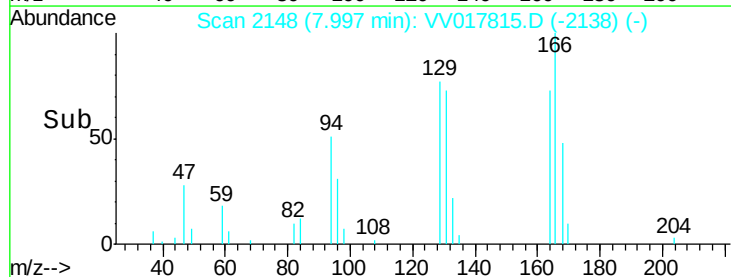
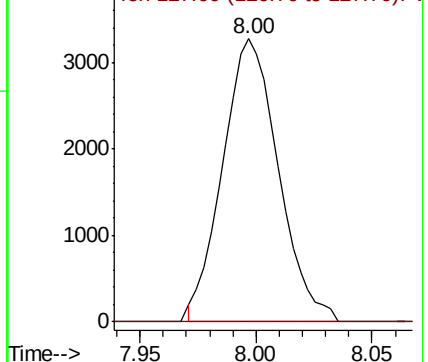
129 100

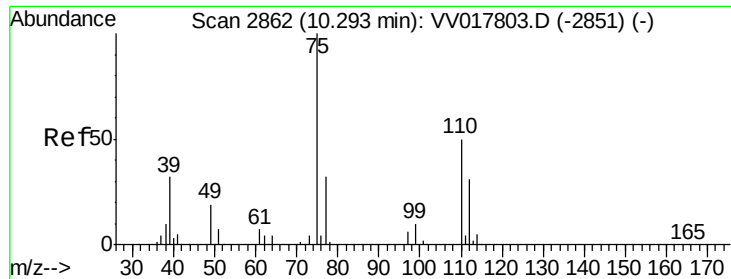
127 0.0 52.6 97.8#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 5.107 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV017815.D

Acq: 06 Aug 2020 15:37

Instrument :

MSVOA_V

ClientSampleId :

F2L54

Tot Ion: 75 Resp: 9433

Ion Ratio Lower Upper

75 100

77 47.2 25.1 37.7#

