

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042520\
 Data File : VV015703.D
 Acq On : 25 Apr 2020 19:00
 Operator : SY/MD
 Sample : L2413-10
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 27 01:17:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Apr 27 01:12:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	124528	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	120527	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	56536	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	26309	4.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.80%
7) Chloroethane-d5	1.58	69	28098	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.12	63	45262	3.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.60%
20) 2-Butanone-d5	3.91	46	103226	49.40	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.80%
24) Chloroform-d	4.38	84	72215	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.06	65	41287	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.08	84	136452	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.09	67	43063	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.34	98	121851	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
43) trans-1,3-Dichloropropene-	7.65	79	11519	3.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	64.80%
46) 2-Hexanone-d5	8.11	63	73567	42.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.88%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	31168	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	47505	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

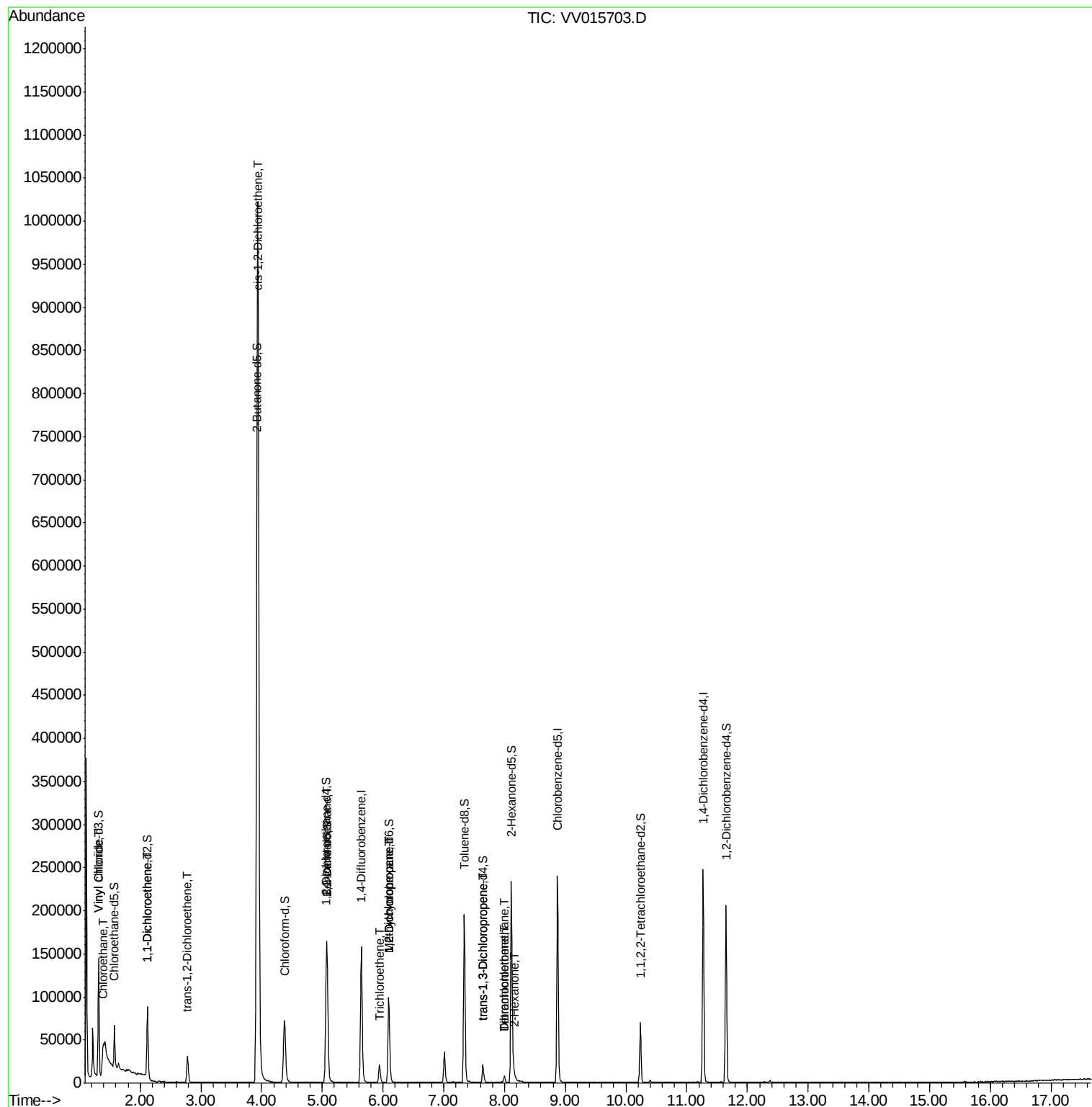
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	44938	4.560	ug/L	94
8) Chloroethane	1.40	64	166131	25.666	ug/L #	52
12) 1,1-Dichloroethene	2.13	96	1634	0.225	ug/L #	1
18) trans-1,2-Dichloroethene	2.78	96	10762	1.326	ug/L	96
22) cis-1,2-Dichloroethene	3.94	96	523274	58.318	ug/L	96
27) 1,2-Dichloroethane	5.07	62	877	0.079	ug/L #	78
34) Trichloroethene	5.94	95	6924	0.728	ug/L	93
35) Methylcyclohexane	6.09	83	10699	0.733	ug/L #	16
37) 1,2-Dichloropropane	6.09	63	5695	0.651	ug/L #	86
44) trans-1,3-Dichloropropene	7.64	75	534	0.052	ug/L	84
47) Tetrachloroethene	8.00	164	1650	0.241	ug/L	94
48) 2-Hexanone	8.17	43	2359	0.582	ug/L #	93
49) Dibromochloromethane	8.00	129	1473	0.239	ug/L #	12

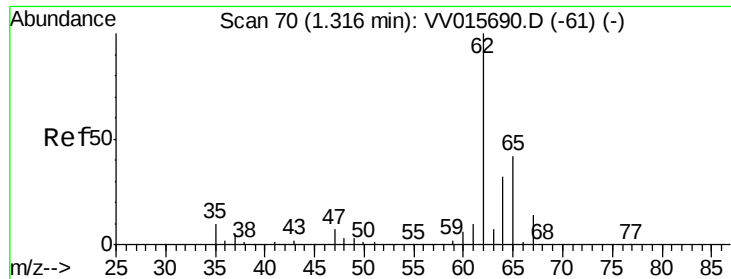
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 4.560 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015703.D

Acq: 25 Apr 2020 19:00

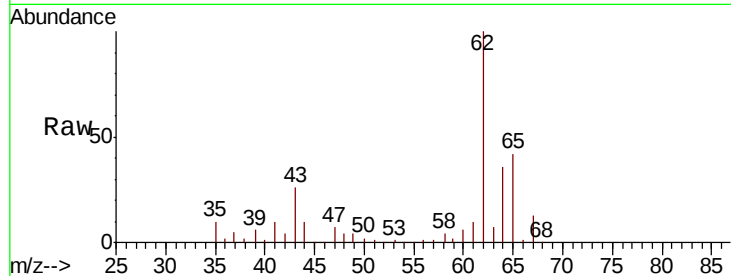
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 44938

Ion Ratio Lower Upper

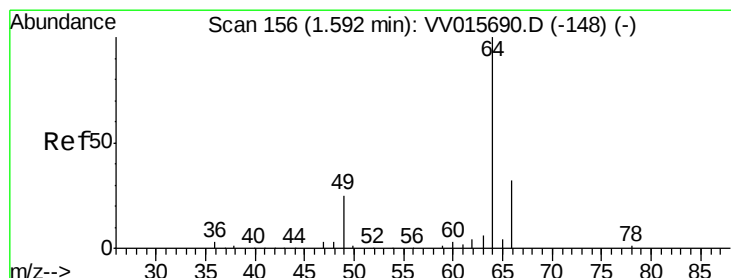
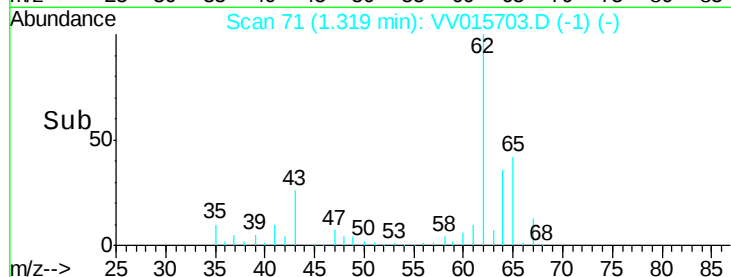
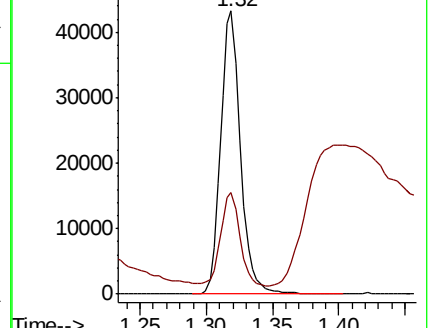
62 100

64 35.8 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV015690.D (-61) (-)

Ion 64.10 (63.80 to 64.80): VV015703.D (-63) (-)



#8

Chloroethane

Concen: 25.666 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.19 min

Lab File: VV015703.D

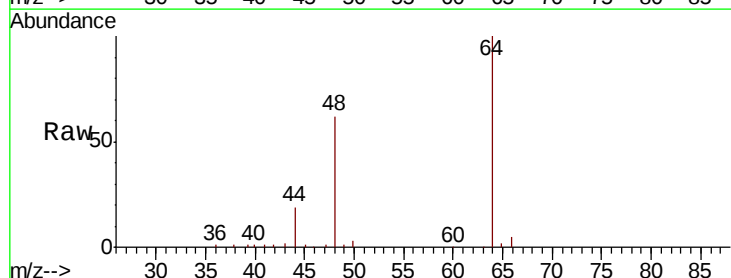
Acq: 25 Apr 2020 19:00

Tgt Ion: 64 Resp: 166131

Ion Ratio Lower Upper

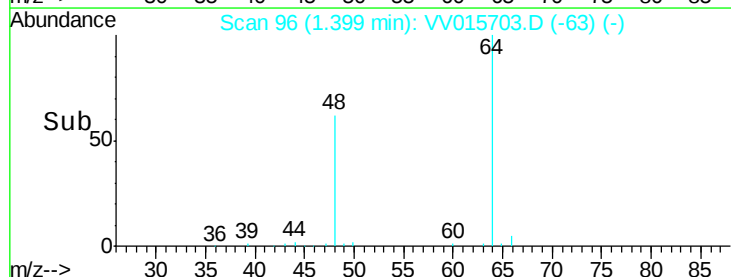
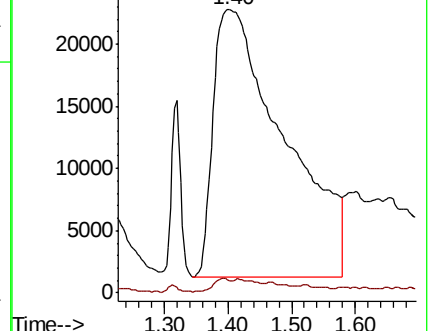
64 100

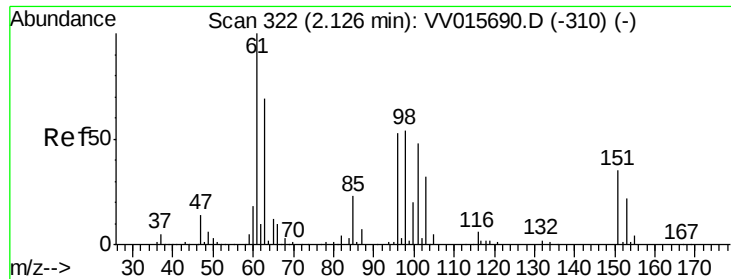
66 4.9 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VV015690.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV015703.D (-63) (-)





#12

1,1-Dichloroethene

Concen: 0.225 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015703.D

Acq: 25 Apr 2020 19:00

Instrument :
MSVOA_V
ClientSampled :

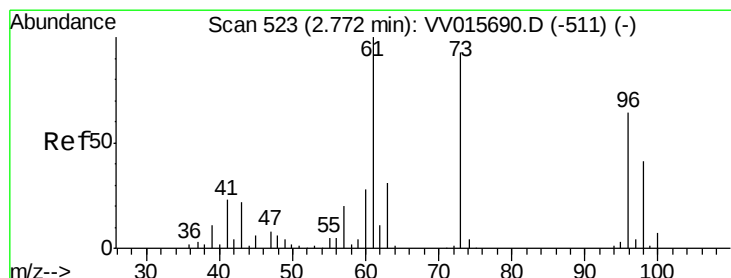
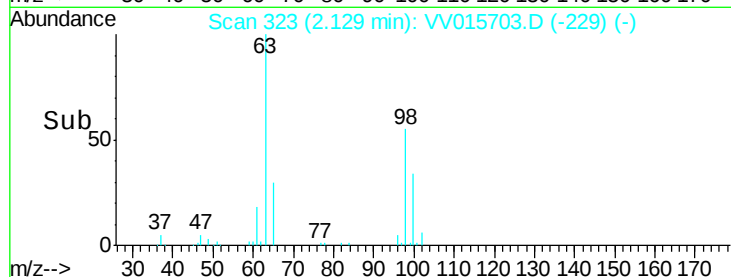
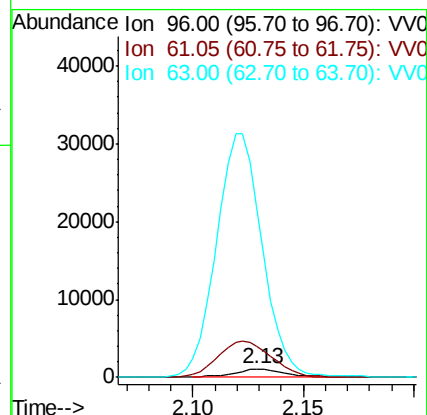
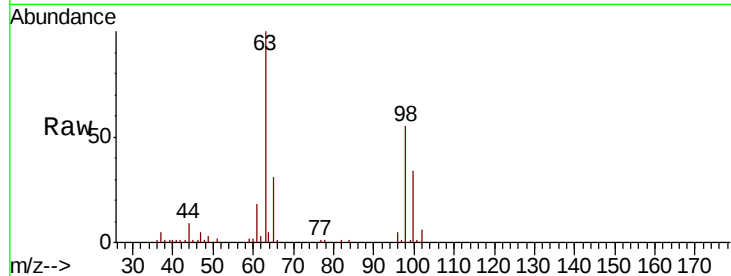
Tot Ion: 96 Resp: 1634

Ion Ratio Lower Upper

96 100

61 374.1 130.1 241.7#

63 2053.0 91.4 169.8#



#18

trans-1,2-Dichloroethene

Concen: 1.326 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV015703.D

Acq: 25 Apr 2020 19:00

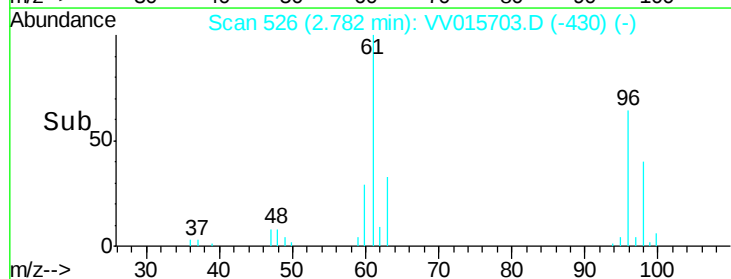
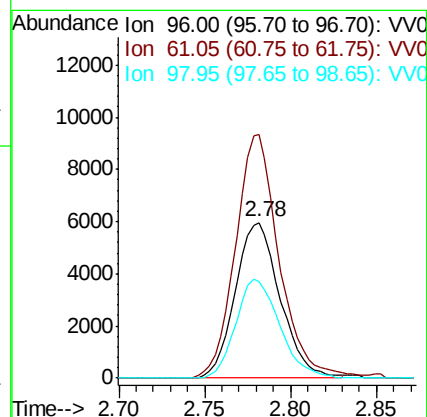
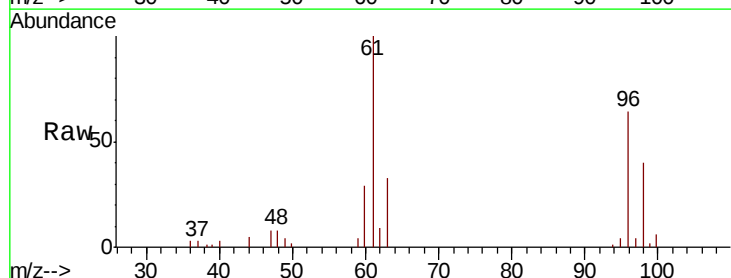
Tgt Ion: 96 Resp: 10762

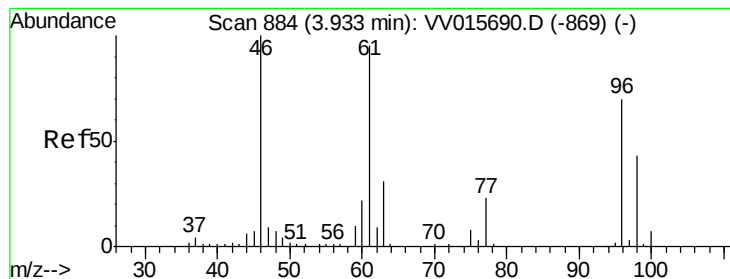
Ion Ratio Lower Upper

96 100

61 156.8 105.5 195.9

98 62.1 44.2 82.0



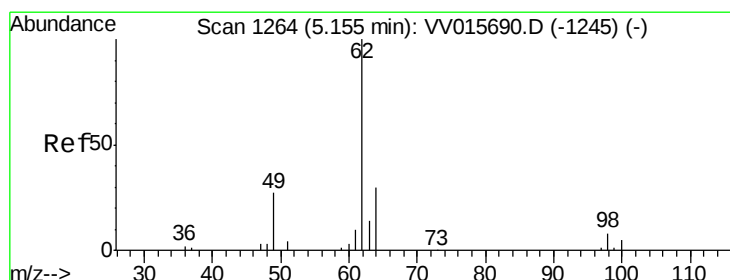
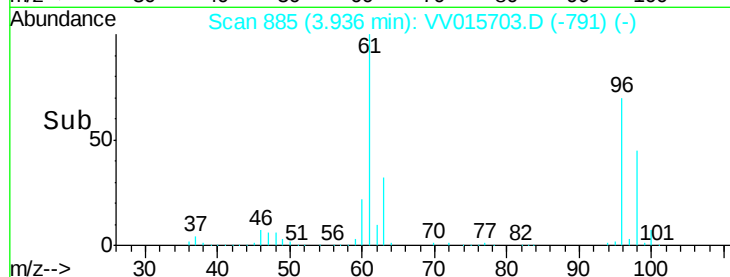
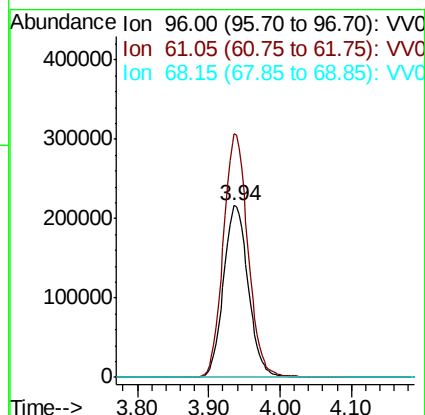
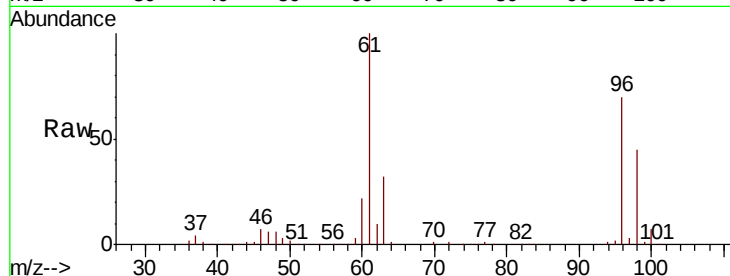


#22

cis-1,2-Dichloroethene
 Concen: 58.318 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV015703.D
 Acq: 25 Apr 2020 19:00

Instrument :
 MSVOA_V
 ClientSampleId :

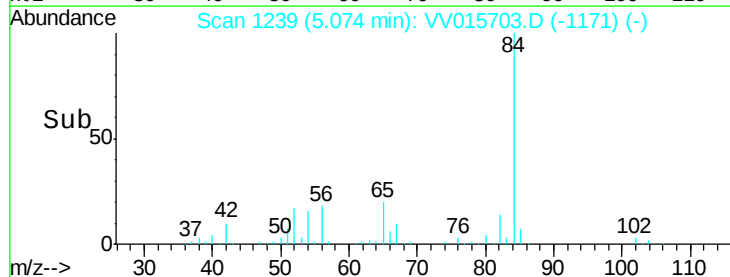
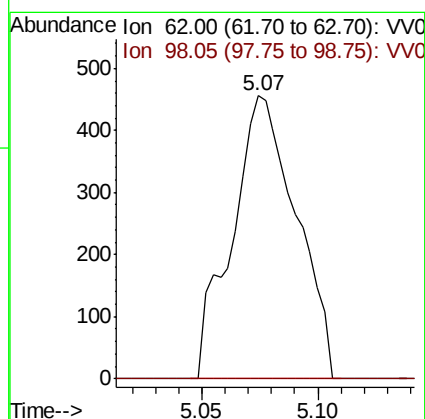
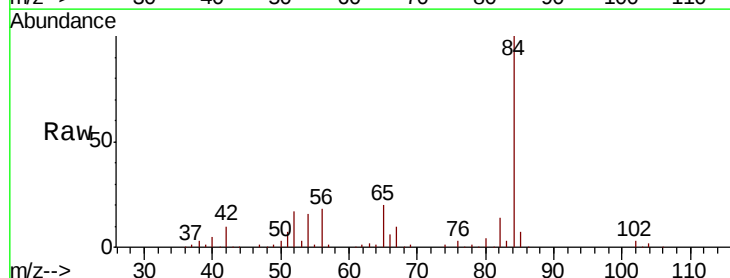
Tot Ion: 96 Resp: 523274
 Ion Ratio Lower Upper
 96 100
 61 141.9 96.4 179.0
 68 0.0 0.0 0.0

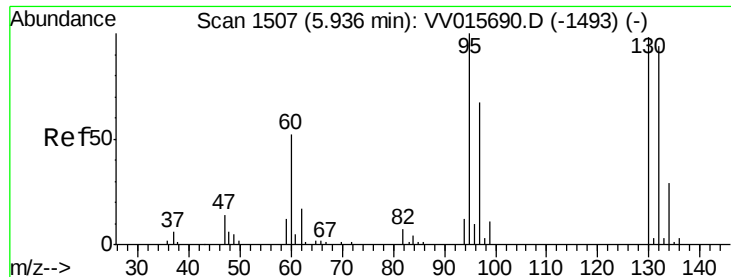


#27

1,2-Dichloroethane
 Concen: 0.079 ug/L
 RT: 5.07 min Scan# 1239
 Delta R.T. -0.08 min
 Lab File: VV015703.D
 Acq: 25 Apr 2020 19:00

Tgt Ion: 62 Resp: 877
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.3 9.5#

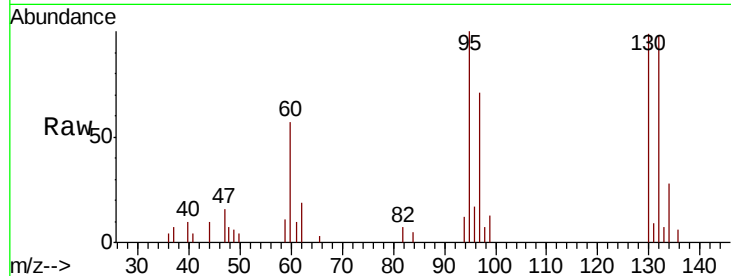




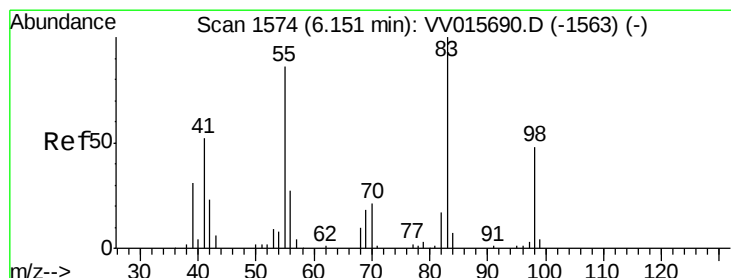
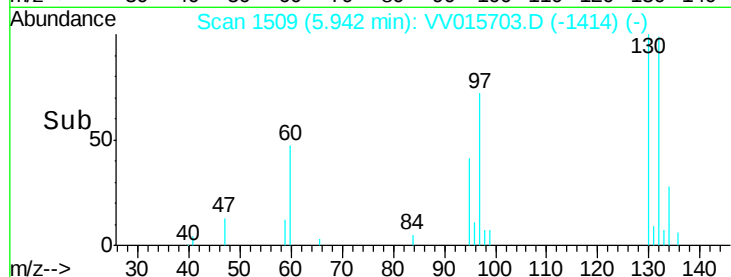
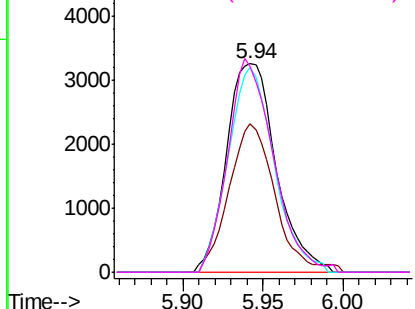
#34
 Trichloroethene
 Concen: 0.728 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV015703.D
 Acq: 25 Apr 2020 19:00

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 6924
 Ion Ratio Lower Upper
 95 100
 97 71.3 44.7 82.9
 132 98.1 65.2 121.0
 130 98.7 65.0 120.6

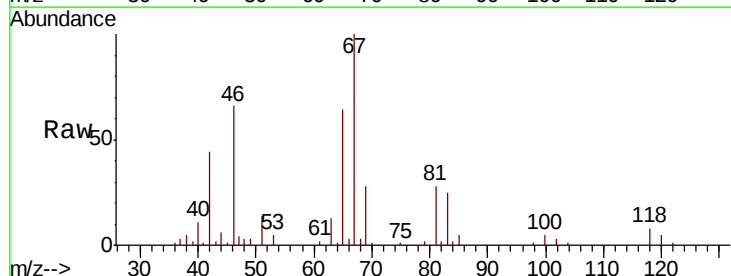


Abundance Ion 95.00 (94.70 to 95.70): VV015690.D (-1493) (-)
 Ion 96.95 (96.65 to 97.65): VV015690.D (-1493) (-)
 Ion 131.95 (131.65 to 132.65): VV015690.D (-1493) (-)
 Ion 129.95 (129.65 to 130.65): VV015690.D (-1493) (-)

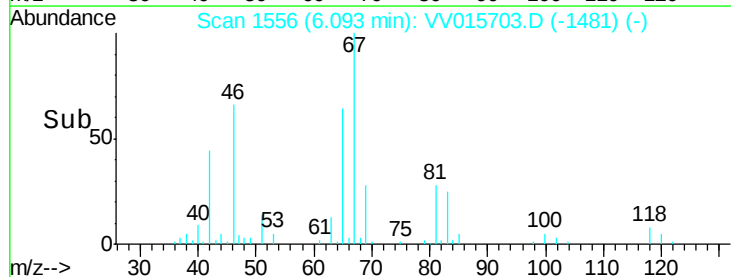
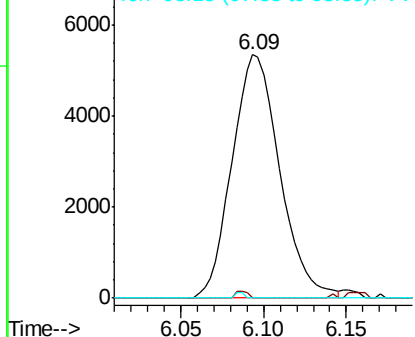


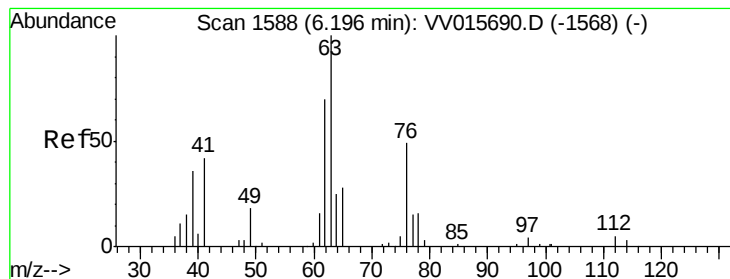
#35
 Methylcyclohexane
 Concen: 0.733 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.06 min
 Lab File: VV015703.D
 Acq: 25 Apr 2020 19:00

Tgt Ion: 83 Resp: 10699
 Ion Ratio Lower Upper
 83 100
 55 0.7 66.6 99.8#
 98 0.4 39.5 59.3#



Abundance Ion 83.15 (82.85 to 83.85): VV015690.D (-1563) (-)
 Ion 55.10 (54.80 to 55.80): VV015690.D (-1563) (-)
 Ion 98.15 (97.85 to 98.85): VV015690.D (-1563) (-)





#37

1,2-Dichloropropane

Concen: 0.651 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV015703.D

Acq: 25 Apr 2020 19:00

Instrument :

MSVOA_V

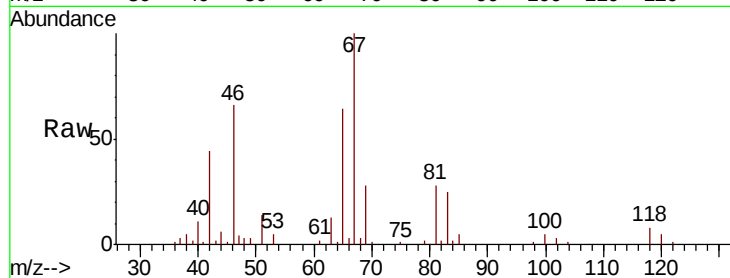
ClientSampleId :

Tot Ion: 63 Resp: 5695

Ion Ratio Lower Upper

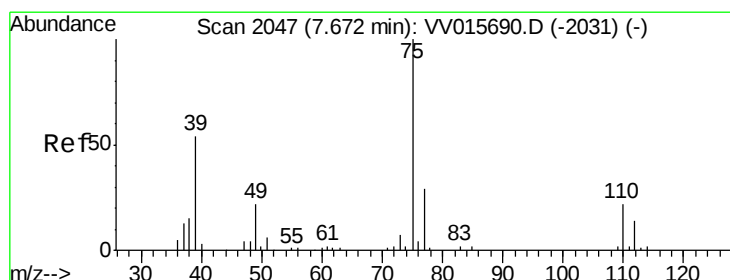
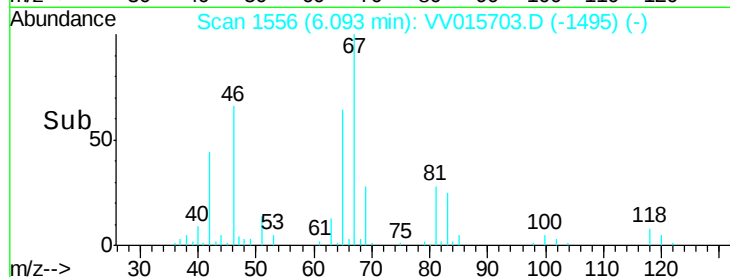
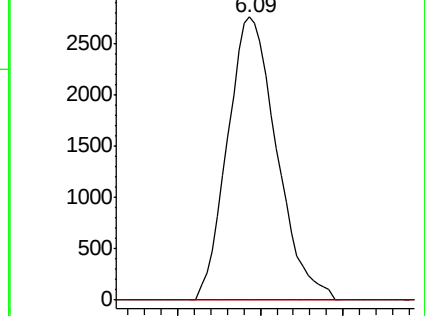
63 100

112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV015690.D (-1568) (-)

Ion 112.10 (111.80 to 112.80): VV015690.D (-1568) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.052 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV015703.D

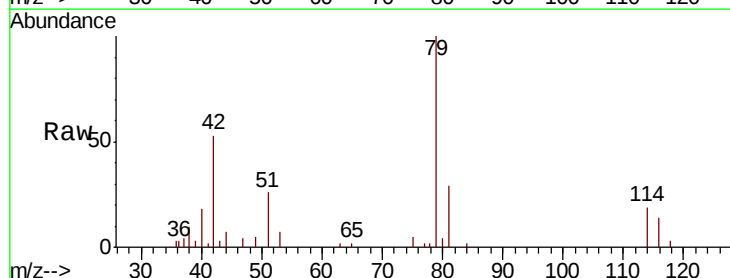
Acq: 25 Apr 2020 19:00

Tgt Ion: 75 Resp: 534

Ion Ratio Lower Upper

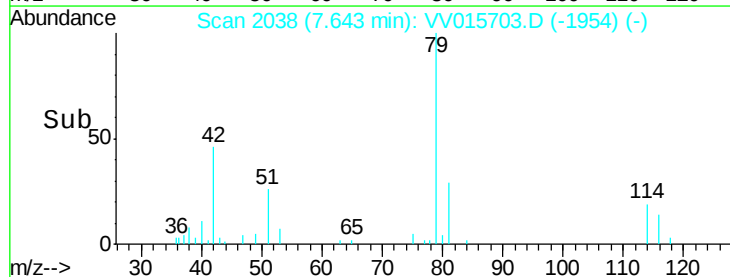
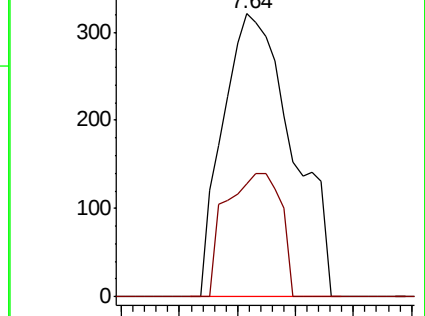
75 100

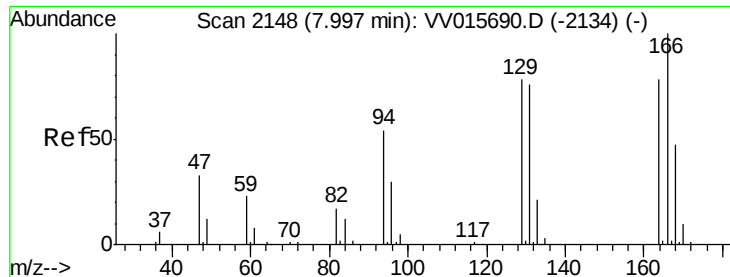
77 39.9 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV015690.D (-2031) (-)

Ion 77.05 (76.75 to 77.75): VV015690.D (-2031) (-)

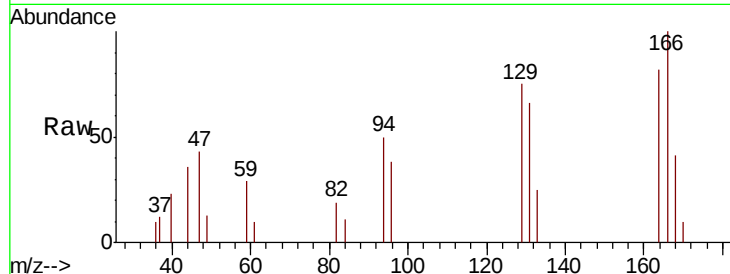




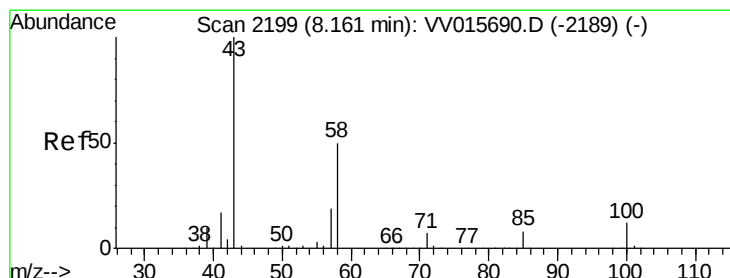
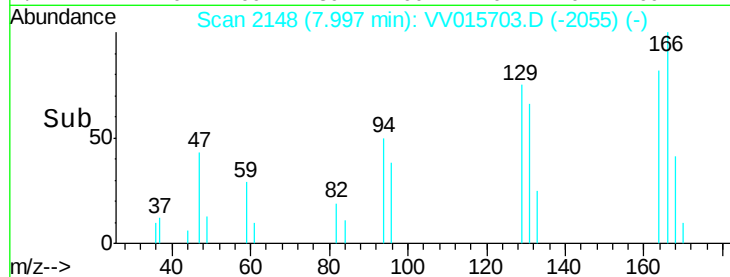
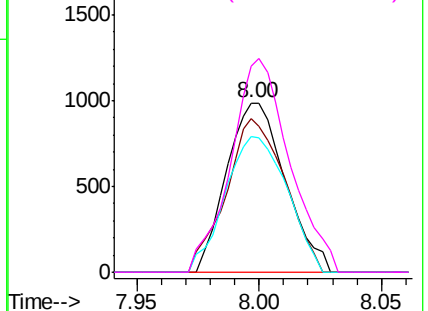
#47
Tetrachloroethene
Concen: 0.241 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV015703.D
Acq: 25 Apr 2020 19:00

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 1650
Ion Ratio Lower Upper
164 100
129 91.0 66.7 123.9
131 80.3 66.6 123.6
166 121.3 85.3 158.5

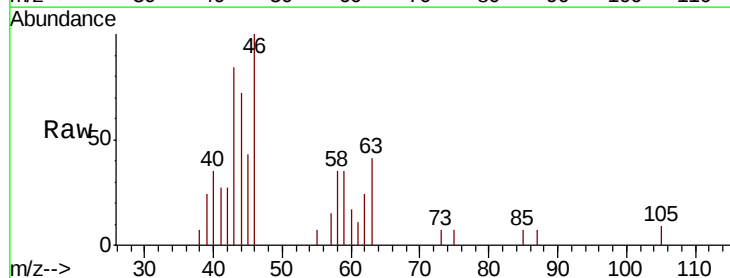


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

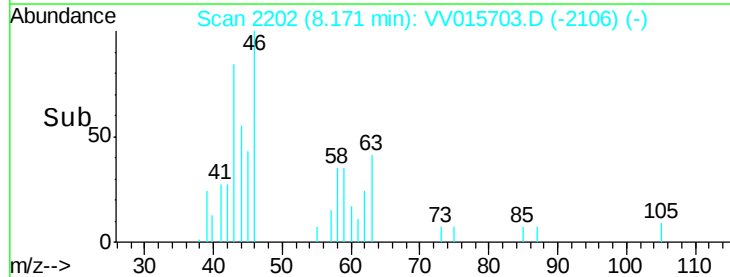
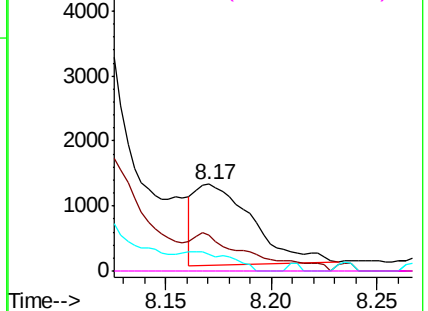


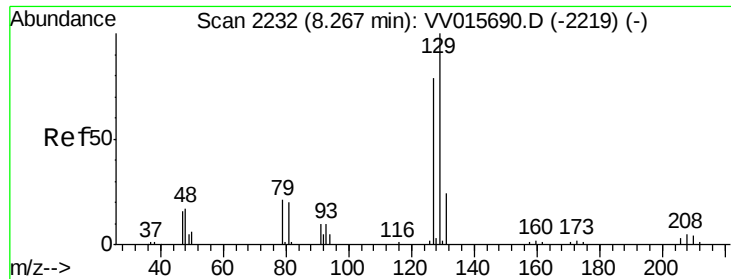
#48
2-Hexanone
Concen: 0.582 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV015703.D
Acq: 25 Apr 2020 19:00

Tgt Ion: 43 Resp: 2359
Ion Ratio Lower Upper
43 100
58 48.7 41.1 61.7
57 20.4 15.0 22.4
100 0.0 9.0 13.4#



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 0.239 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV015703.D

Acq: 25 Apr 2020 19:00

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 1473

Ion Ratio Lower Upper

129 100

127 0.0 52.6 97.8#

